

ENCLOSURE CATALOGUE

Ensto Cubo

ENSTO



Ensto at your service

We are a specialist in the field of enclosures and customer-specific enclosure solutions. Our standard product range includes thermoplastic, polyester, sheet steel and aluminium enclosures and the related accessories suitable for demanding environments. These are supported by a broad selection of terminals and load break switches used by global, leading manufacturers.

Our service offering includes the customisation of standard enclosures as well as the creation of tailor-made new enclosure solutions based on the customers' product projects. We also offer assembly services as well as the sourcing of third party components.

We are a reliable and flexible partner with experienced personnel. Our strengths include good knowledge of various materials and an innovative design department.

Certificates and standards

We have modern production facilities. Our factories have received the following certificates

- ISO 9001:2008 Quality System Certificate
- ISO 14001:2004 Environmental Management System Certificate.

We are proud of our products, which we develop and test to suit a wide range of applications in which enclosures must endure the most extreme conditions.

Ensto Cubo enclosures are certified in accordance with EN 62208. Most of our polycarbonate enclosures are also UL and cUL listed. Our products meet all of the essential requirements for each relevant European Directive.

Further information

Read more at our web pages **www.ensto.com** or contact our sales personnel.

Visit our internet pages at www.ensto.com

On these pages you will find, for instance:

- Latest product news
- Product cards including
 - Technical product data
 - Technical drawings in pdf, dwg, dxf format and 3D models (stp) of our products
 - Printable product photos
- Customer references
- Catalogues and leaflets
- Distributor information
- Contact information for our sales personnel.



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Choosing an enclosure

When choosing a protective enclosure, it is necessary that you understand the operating principles of the equipment that will be installed in the enclosure, as well as the conditions in which the equipment will operate. With this information, the accurate identification of the required enclosure parameters is possible. Parameters to be considered include:

- material
- dimensions
- degree of protection
- flammability
- certificates
- special environments.

Material



Our Ensto Cubo range includes enclosures made of thermoplastics (ABS and polycarbonate), polyester, sheet steel (polyester painted mild steel and stainless

steel, AISI 304 or AISI 316) and aluminium. We use high quality materials provided to us by the world's leading suppliers. The right material ensures the safety of the installed equipment and its users and eliminates the risk of unnecessary additional costs due to emergency breakdowns. The maintenance needs of an enclosure depend on the materials used.

Thermoplastics



Ensto Cubo thermoplastic enclosures are manufactured in high quality halogen free and recyclable polycarbonate or ABS plastics. Although plastic is much lighter than steel, its impact resistance is very high. In addition, any dents or bumps are not as

noticeable on plastic as they would be on steel. For the maintenance of these enclosures, cleaning with a mild detergent is recommended.

enclosure production, we use only halogen free UL-listed polycarbonate raw materials, which bear the so-called Yellow Card. Polycarbonate is light, its impact resistance is very high and it is also available in transparent form. It has excellent fire resistance and is easily machined using standard tools.

ABS (acrylonitrile butadiene styrene)

ABS is a more cost-effective material than polycarbonate and has good resistance to certain chemicals, e.g. strong detergents used in dairies. However, many of the qualities of ABS are not as good as those of polycarbonate. The material is suitable for indoor use only, since its resistance to UV radiation is low. The temperature resistance of ABS ranges from -40°C to +60°C. ABS is not available in clear form for which reason transparent covers and windows on enclosures are always made of polycarbonate. Enclosures manufactured from this material are only available with plain sides.

Polycarbonate

Polycarbonate is suitable for demanding conditions and also for outdoor use. The temperature resistance of polycarbonate ranges from -50°C to +120°C. For

Polyester (GRP)



The temperature resistance of glass reinforced polyester is superb. It has a high corrosion resistance and is very resistant to solvents. It is therefore suitable for highly

demanding industrial environments such as oil refineries and the petrochemical and chemical industries. Polyester is more expensive than polycarbonate and ABS. When working on a polyester enclosure, it is important that you use a dust respirator filter. Since enclosures made of this material are difficult to machine, we recommend that you to let us customise them for you.

Sheet steel



Steel is a cost-effective material that has a high impact resistance and a high degree of protection. Steel enclosures can easily be made to customer-specific dimensions. The material thickness of our standard enclosures varies between 1.25 and 1.5 mm.

Stainless steel, AISI 304

Stainless steel, AISI 304, is suitable for outdoor use (the use of a rain shelter is recommended) since it has excellent corrosion resistance and resistance to UV radiation. This material is suitable for demanding industrial environments - for example, in the food industry. Additionally, stainless steel is very practical as it needs scarcely any maintenance. Customising is, however, more difficult than with painted steel. The surface roughness of our enclosures made of stainless steel, AISI 304, is Ra 0.45...0.60 µm.

Stainless steel, AISI 316

Stainless steel, AISI 316, is used for environments requiring extreme resistance to corrosion, or those where ordinary stainless steel is not recommended: for example, in the offshore industry. It is a specially manufactured material and, as such, is more expensive than AISI 304. The surface roughness of our enclosures made of this material is Ra 0.45...0.60 µm. These enclosures are available on request only.

Polyester painted mild steel

The standard colour of our polyester painted mild steel enclosures is grey, RAL 7035. The layer thickness is 80 – 120 µ, and it does not contain TGIC (triglycidyl isocyanurate).

Polyester painted Ensto Cubo enclosures undergo the following processes:

- pretreatment
- rinsing
- drying
- polyester-powder painting
- oven drying.

Since any customer-specific cutouts are performed before surface treatment and painting, corrosion resistance remains high, even in the cutout areas.

Aluminium



The relative weight of aluminium is only about a quarter of that of steel. Aluminium is, however, more expensive than steel. It has high impact

resistance, a wide temperature resistance range and excellent corrosion resistance. The disadvantages of aluminium include machining problems. Since enclosures made of this material are difficult to machine, we recommend that you to let us customise them for you.

Material comparison

	Polycarbonate	ABS	GRP	Aluminium	Stainless steel, AISI 304	Stainless steel, AISI 316	Painted mild steel
Outdoor use	****	*	****	****	****	****	****
Indoor use	****	****	****	****	****	****	****
Cost	****	****	**	***	*	*	**
Light weight	****	****	**	*	*	*	*
High rigidity	***	**	****	****	****	****	****
Impact resistance	****	**	****	****	****	****	****
UV radiation resistance	****	*	****	****	****	****	****
Temperature resistance range	****	**	****	****	****	****	****
Easiness to machine	****	****	*	*	*	*	**
Electrical Insulation properties	****	****	***	N/A	N/A	N/A	N/A
Fire resistance	****	*	*	****	****	****	****
Resistance against solvents	*	*	****	****	****	****	*
Resistance against petrol	**	*	****	****	****	****	*
Resistance against hydraulic oil	****	****	****	****	****	****	**
Resistance against alcohols	****	***	****	****	****	****	**
Resistance against alkalis	**	****	***	*	****	****	*
Resistance against acids	***	**	***	*	****	****	*

ABS = acrylonitrile butadiene styrene
GRP = glass reinforced polyester

Excellent ****
Good *** and ****
Fair **
Poor *
N/A No information available

Dimensions



The size of the enclosure is determined by the minimum and/or maximum dimensions of the application. When selecting the size, please consider whether further components are likely to be added at a later stage

and, if so, whether the dimensions of the enclosure will still be adequate.

We have a wide range of sizes available for our standard enclosures. In addition to these, we can create solutions with customer-specific sizes. The manufacture of steel enclosures with customer-specific dimensions is cost efficient, even in small quantities.

Degree of protection



For effective enclosure, the degree of protection is an important factor. The degree of protection is defined purely for the enclosure and should be maintained during the installation work, meaning that, for instance the IP class of the cable glands used for cable

entries should be higher or the same as that of the enclosure.

IP code (European standard EN 60529)

The IP code consists of the letters IP followed by two digits and an optional letter. The first digit of the code classifies the degrees of protection provided against the intrusion of solid objects and dust. In turn, the second digit, stands for protection against liquids. The optional letter can be appended to classify only the level of protection against access to hazardous parts by people.

All Ensto Cubo enclosures are designed for use

in demanding environments. Their IP degree ranges between IP 55 and IP 66/67. We have also made customer-specific solutions with an IP 69K rating that covers high-pressure, high-temperature wash-down applications. These applications are dust tight and able to withstand high-pressure and steam cleaning.

IK code (European standard EN 62262)

IK code is an international numerical classification for the degree of protection provided by enclosures for electrical equipment against external mechanical impact. The IK code for our thermoplastic and steel enclosures ranges between IK 08 and IK 06.

Further information is available on page 8.

Environmental type classification UL 50 E

Our enclosures are tested according to American environmental type classification by the UL.

Environmental type classification is also known as NEMA classification. Further information can be found at UL web pages at www.ul.com.

Flammability

Flammability is defined as how easily something will burn or ignite, causing fire or combustion. The flammability requirements of an enclosure depend on the application for which it is used. Flammability class refers to the classification of the ignition and burning resistance characteristics of materials other than metal or ceramic. Our enclosures have been tested in terms of flammability by Underwriters Laboratories.

Most of our polycarbonate enclosures have been tested according to UL 746C and pass the demanding 5 inch flame test.

The flammability rating of our ABS enclosure raw material is UL 94 HB.

Further information is available in the table on page 9.

Certificates

Ensto Cubo enclosures are certified in accordance with EN 62208 (SGS Fimko). Most of our polycarbonate enclosures are also UL and cUL listed (Underwriters Laboratories, File # E 189312). For sales in Russia,

enclosures require GOST R approval. Many of our enclosures also have a Germanischer Lloyd certificate for marine applications.

See the table below for further details.

Ensto Cubo series	S		D		O		C	W	P	G	R		M	E		EO	F		H
Material	PC	ABS	PC	ABS	PC	ABS	PC	PC	PC	PC	PC	ABS	GRP	SS	PPMS	PPMS	SS	PPMS	AL
SGS Fimko EN 62208	X	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X	
SGS Fimko EN 60439									X										
UL	X		X		X		X	X											
cUL	X		X		X		X	X											
GOST R	X	X	X	X	X	X	X	X	X		X	X		X	X		X	X	
Germanischer Lloyd	X		X		X		X							X	X		X	X	

Material:

PC = polycarbonate

ABS = acrylonitrile butadiene styrene

GRP = glass reinforced polyester

AL = aluminium

SS = stainless steel, AISI 304

PPMS = polyester painted mild steel

Certificates:

UL = Underwriters Laboratories, File # E 189312 (USA)

cUL = Underwriters Laboratories, File # E 189312 (Canada)

GOST R = Russia, General Certificate

Germanischer Lloyd = Germany, Category 'A'. Shipping Register

Special environments



We also offer customer-specific enclosure solutions suitable for explosive atmospheres, following the ATEX directives of the EU.

In addition, our plastic enclosures can

be EMC (electromagnetic compatibility) coated with a special alloy, which increases the level of protection against interference. The EMC coated enclosures also prevent the external equipment from electromagnetic disturbances caused by equipment inside the enclosure. Both plastic and metal enclosures need to be equipped with a conductive gasket.

Degree of protection

IP degree, EN 60529

1st numeral: Protection against intrusion



2nd numeral: Protection against liquids



1st numeral		2nd numeral	
0	No protection	0	No protection
1	Protection against objects ≤ 50 mm	1	Protection against vertically falling water drops
2	Protection against objects ≤ 12.5 mm	2	Protection against rain drops falling at max. 15° angle
3	Protection against objects ≤ 2.5 mm	3	Protection against rain drops falling at max. 60° angle
4	Protection against solid objects ≤ 1 mm	4	Protection against rain drops falling from all directions
5	Protection against dust, limited intrusion acceptable in all directions	5	Protection against low pressure sprue water from all directions*
6	Total protection against dust	6	Protection against jet water under pressure*
		7	Protection against water intrusion under submersion at 15 cm to 1 m depth, 0.5 hour
		8	Protection against water intrusion under long term submersion under pressure

*Minor intrusion acceptable

IK code, EN 62262

Protection against external mechanical impact



IK code	Impact energy (joule)
01-05	<1
06	1
07	2
08	5
09	10
10	20

Technical information

Enclosure series	Cubo S		Cubo D		Cubo O		Cubo C
Material	PC	ABS	PC	ABS	PC	ABS	PC
Knockout alternatives	Plain sides, metric and Pg knockouts	Plain sides	Plain sides	Plain sides	Plain sides, metric knock-outs	Plain sides	Flange knockouts
Minimum size (mm)	75 x 125 x 35		53 x 55 x 36		200 x 200 x 132		200 x 200 x 132
Maximum size (mm)	175 x 250 x 150		230 x 300 x 111		400 x 600 x 187		400 x 600 x 187
Degree of protection	IP 66, IP 67	IP 66, IP 67	IP 66, IP 67	IP 66, IP 67	IP 66, IP 67	IP 66, IP 67	IP 66, IP 67
Impact resistance	IK 08 (-25 °C...+35 °C)	IK 07 (+35 °C)/IK 06 (-25 °C)	IK 08 (-25 °C...+35 °C)	IK 07 (+35 °C)/IK 06 (-25 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (+35 °C)/IK 07 (-25 °C)	IK 08 (-25 °C...+35 °C)
Environmental type (UL)	4, 4X, 6, 12, 13	N/A	4, 4X, 6, 12, 13	N/A	4, 4X, 12, 13	N/A	4, 4X, 12, 13
Continuous operating temperature	-40 °C... +80 °C	-40 °C... +60 °C	-40 °C... +80 °C	-40 °C... +60 °C	-40 °C... +80 °C	-40 °C... +60 °C	-40 °C... +80 °C
Flammability	UL 746C 5V	UL 94 HB	UL 746C 5V	UL 94 HB	UL 746C 5V	UL 94 HB	UL 746C 5V

Enclosure series	Cubo W	Cubo P	Cubo G	Cubo R		Cubo M
Material	PC	PC	PC	PC	ABS	GRP
Knockout alternatives	Plain sides	Totally open sides	Metric knockouts	Plain sides, Pg, metric, and flange knockouts	Plain sides	Plain sides
Minimum size (mm)	200 x 200 x 132	300 x 300 x 102	93 x 93 x 50	75 x 125 x 100		75 x 80 x 55
Maximum size (mm)	400 x 600 x 187	400 x 600 x 102	93 x 93 x 50	300 x 600 x 136		400 x 405 x 120
Degree of protection	IP 66, IP 67	IP 65	IP 66	IP 65	IP 65	IP 66
Impact resistance	IK 08 (-25 °C...+35 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (-25 °C...+35 °C)	IK 08 (+35 °C)/IK 07 (-25 °C)	7 Nm
Environmental type (UL)	4, 4X, 12, 13	N/A	N/A	N/A	N/A	N/A
Continuous operating temperature	-40 °C... +80 °C	N/A	-50 °C... +120 °C	-40 °C... +80 °C	-40 °C... +60 °C	-40 °C... +110 °C
Flammability	UL 746C 5V	N/A	UL 94 5VA	UL 94 V0/V2	UL 94 HB	N/A

Enclosure series	Cubo E		Cubo EO	Cubo F		Cubo H
Material	SS	PPMS	PPMS	SS	PPMS	AL
Knockout alternatives	Plain sides	Flange openings	Flange knockouts	Plain sides	Plain sides, flange openings	Plain sides
Minimum size (mm)	200 x 300 x 150		190 x 240 x 138	150 x 150 x 80		50 x 45 x 30
Maximum size (mm)	1000 x 1200 x 300		480 x 960 x 248	800 x 400 x 120		310 x 601 x 180
Degree of protection	IP 66 ⁽¹⁾	IP 66 ⁽¹⁾	IP 66	IP 66	IP 66	IP 66
Impact resistance	IK 09 (-25 °C...+35 °C)	IK 09 (-25 °C...+35 °C)	IK 09 (-25 °C...+35 °C)	IK 09 (-25 °C...+35 °C)	IK 09 ⁽²⁾ (-25 °C...+35 °C)	7 Nm
Environmental type (UL)	N/A	N/A	N/A	N/A	N/A	N/A
Continuous operating temperature	N/A	N/A	N/A	N/A	N/A	-40 °C... +110 °C
Flammability	N/A	N/A	N/A	N/A	N/A	N/A

Material:

PC = polycarbonate

ABS = acrylonitrile butadiene styrene

GRP = glass reinforced polyester

AL = aluminium

SS = stainless steel, AISI 304

PPMS = polyester painted mild steel

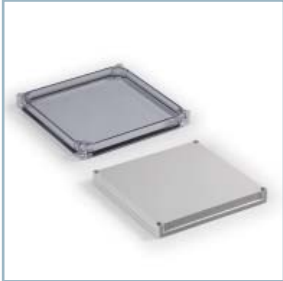
N/A = No information available

¹ Models with two doors IP 55

² Models with polycarbonate window IK 07 (-5 °C...+80 °C)

Ensto Cubo enclosures in more detail

Cover



The enclosure cover can be transparent so that the status of the equipment inside is easy to monitor. In thermoplastic enclosures, the whole cover is either grey or

transparent. Grey covers are available both in ABS and polycarbonate. Transparent covers are available only in polycarbonate.

Ensto Cubo F terminal enclosures made of steel can be equipped with a polycarbonate window. Modular enclosures come with a hinged window available either in smoke-grey or transparent.

Enclosure walls



The material thickness of our thermoplastic enclosures is greater than that of similar products in the market. This helps in the machining of threads. In addition, the usage of e.g. push buttons on the cover is safer since the material is more rigid.

The bases of polycarbonate enclosures with knockouts have been reinforced with fibreglass in order to add rigidity to the enclosure walls and to make it easier to knock out the cable entries.

We have a modular tooling structure, enabling cost efficient mold modifications. This is especially efficient when making customer specific holes and cutouts in a large series of enclosures.

Gasket



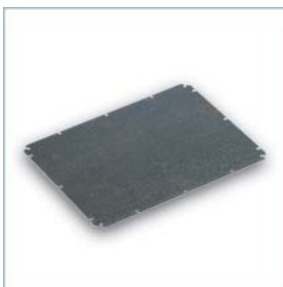
We use injected, jointless PUR (polyurethane) gaskets in our thermoplastic and steel enclosures to ensure a high protection class. The standard gasket material of our aluminum and

polyester enclosures is neoprene. Some enclosures are available with a silicone gasket, on request.

The temperature resistance of various gasket materials is as follows:

- Polyurethane -40 – +80 °C
- Neoprene -40 – +100 °C
- Silicone -50 – +150 °C

Mounting plates



Our mounting plates are made of galvanized steel as standard. The material thickness of the plates varies between 1.5 - 3.0 mm, depending on the size of the plate.

On request, the mounting plates are also available in customer-specific materials such as stainless steel or a non-conductive material. We customise mounting plates according to the customer's configurations, e.g. with threaded holes and cutouts.

Mounting plates are included as standard in our Ensto Cubo E and EO wall cabinets made of sheet steel.

Hinges



Our range of standard Ensto Cubo enclosures includes hinged wall cabinets in thermoplastic and sheet steel. The position of the hinges can easily be changed from one side to the other in

the case of Ensto Cubo E wall cabinets, even as the final operation at the installation site.

All of our enclosures can be hinged on request. Hinges can be found among our accessories.

Our offering also includes hinged cover screws (OLSH1 and OLWH1) available for Ensto Cubo O and C enclosures and the Ensto Cubo P panel building system.

Locking and sealing



All of our enclosures can be locked or sealed if necessary. The Ensto Cubo E and EO wall cabinets made of sheet steel contain locks as standard. Our range of

accessories includes different lock options. Ensto Cubo W thermoplastic wall cabinets can be locked with a padlock, without any other accessories.

The covers and the cover screws of Ensto Cubo S, C, O, W thermoplastic enclosures are equipped with sealing holes, through which the enclosures can easily be sealed.

Cover screws



Thermoplastic enclosures have several cover screw options. These can be seen among our list of accessories. The enclosures are equipped with slotted/cross head screws as standard. Ensto

Cubo D, H and M enclosures come with metallic cover screws.

Hinged cover screws are available for the Ensto Cubo O and C thermoplastic enclosures and Ensto Cubo P panel building system. Thanks to these innovative screws, the cover can easily be opened, even if it is in the middle of a panel, and the cover no longer hangs by the conductors.

Content of the product packages

Ensto Cubo series	S	D	O	C	W	P	G	M	E	EO	F	H
Enclosure base	X	X	X	X	X	X	X	X	X	X	X	X
Cover/door	X	X	X	X	X		X	X	X	X	X	X
Cover screws	X	X	X	X	X		X	X			X	X
Cover plugs		X ¹									X ²	
Mounting screws	X	X	X	X	X			X	X	X	X	X
Mounting plate with required nuts									X	X		
Cover plate(s) for flange opening(s), bolts and nuts									X ^{**}		X ^{**}	
Extension frame + screws			X [*]	X [*]	X [*]							
Accessories for earth connection									X	X	X	
Lock and a key									X	X ^{***}		

¹ Cover plugs for cover screws

² Cover plugs for mounting holes (and hinge holes)

^{*} 187 mm deep standard enclosures

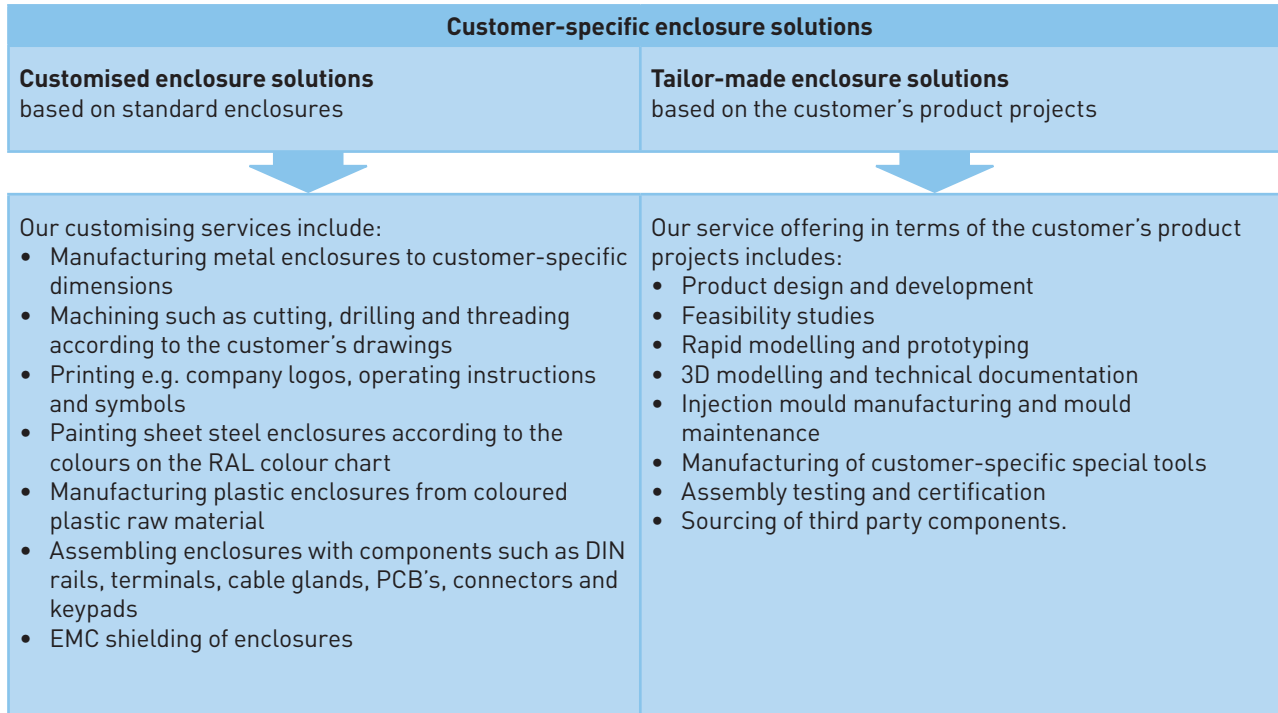
^{**} Models with flange openings only

^{***} Quarter-turn slotted lock, no key

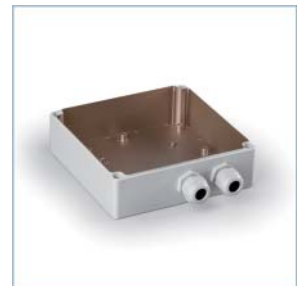
Customer-specific enclosure solutions

We are experts in providing customer-specific enclosure solutions for demanding environments. Our strategic solutions offering can be divided into customised

enclosure solutions based on standard products and totally tailor-made enclosure solutions based on the customer's product projects.



Customised enclosure solutions



Tailor-made enclosure solutions



Our capabilities

We have years of experience with varying applications from one industry segment to another. In addition, we have highly skilled staff, an innovative design department and sound knowledge of various raw materials.

We specialize in solutions targeted at demanding environments requiring high degrees of protection. Moreover, we have experience of ATEX enclosures and EMC shielded applications. Special gasket and enclosure materials are available on request.

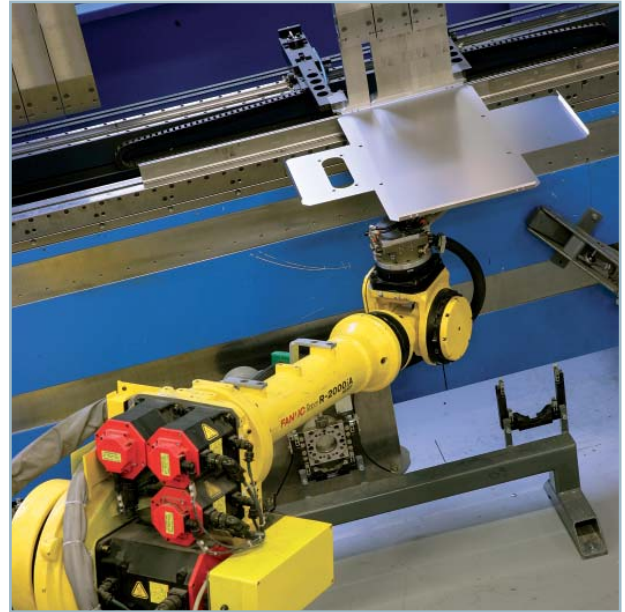
We have modern production facilities with the latest technology robots, and use CuboFlex robots and Fanuc machine tools for customising plastic enclosures. Also, we use waterjet cutting for making cutouts. The capacity of our injection-moulding machines ranges from 50 to over 1,000 tn.

We use a fully automatic robotic cell for bending and welding our sheet steel enclosures. The bending cell is totally flexible for dimensioning without any tool changes. Our laser cutting technique enables freely customised shapes and main dimensions without setup times. Cutouts in metal enclosures are made before painting in order to prevent corrosion in the cutout areas.

CuboLink configuration tool

In pursuit of a leaner and faster order-delivery process for customised enclosures, we also offer our CuboLink tool for our customers' use. CuboLink is an online configuration, quotation and order management tool integrated into our ERP system. The customer receives the technical documentation for the enclosure automatically, straight after making the configurations using the tool.

Download the CuboLink Lite free of charge from our web pages.

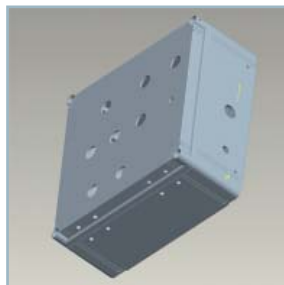
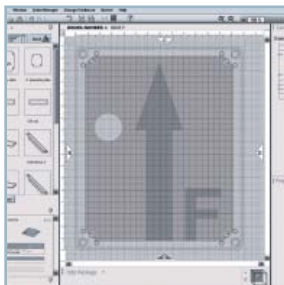


Our strengths in producing customer-specific enclosure solutions

include the following:

- Experienced design department
- Knowledgeable and innovative personnel
- Experience of wide range of materials
- Large selection of high quality components
- Modular tooling structure for standard enclosures, enabling cost efficient mould modifications
- Experience of injection moulded customer specific enclosures
- Usage of laser cutting tools that enable freely customised shapes without special tools.

Customisation process with the CuboLink configuration tool



Customer applications



Plastic enclosures

Thermoplastic enclosures



- Ensto Cubo S enclosures, IP 66/67
 Sizes 75 x 125 x 35 to 175 x 250 x 150 mm
 with plain sides, or with metric/Pg knockouts..... 15



- Ensto Cubo D enclosures, IP 66/67
 Sizes 53 x 55 x 36 to 230 x 300 x 111 mm
 with plain sides..... 27



- Ensto Cubo O enclosures, IP 66/67
 Sizes 200 x 200 x 132 to 400 x 600 x 187 mm
 with plain sides, or with metric knockouts..... 34



- Ensto Cubo C enclosures, IP 66/67
 Sizes 200 x 200 x 132 to 400 x 600 x 187 mm
 with flange knockouts 39



- Ensto Cubo W wall cabinets, IP 66/67
 Sizes 200 x 200 x 132 to 400 x 600 x 187 mm
 with plain sides, and pre-assembled hinges and quick release latches 43

- Accessories for Ensto Cubo O, C and W enclosures..... 47



- Ensto Cubo P panel building system, IP 65
 Base sizes 300 x 300 x 102 to 400 x 600 x 102 mm
 with four totally open sides 56



- Ensto Cubo G junction boxes, IP 66
 Size 93 x 93 x 50 mm
 with metric knockouts 62



- Ensto Cubo R modular enclosures, IP 65
 Sizes 75 x 125 x 100 to 300 x 600 x 136 mm
 with plain sides, or with Pg/metric/flange knockouts, and with a hinged window 64

Polyester enclosures



- Ensto Cubo M enclosures, IP 66
 Sizes 75 x 80 x 55 to 400 x 405 x 120 mm
 with plain sides..... 68

Ensto Cubo S enclosures IP 66/67

Sizes 75 x 125 x 35 to 175 x 250 x 150 mm



Ensto Cubo S enclosure in brief:

- Available with plain sides or knockouts (metric or Pg)
- Available in 36 sizes, two base depths (25 and 50 mm) and 5 different cover heights
- Cover and cover screws equipped with sealing holes
- Has slots in the base for printed circuit boards.

Contents of the product package:

- Enclosure base
- Cover
- Cover screws
- Mounting screws

Customising services available for this product:

- Machining
- Prints
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Conformity	
PC enclosures:	CE RoHS FI UL cUL P-GL
ABS enclosures:	CE RoHS FI P-GL
Technical information	
Degree of protection:	IP 66/67
Impact resistance:	PC: IK 08 [-25 °C... +35 °C] ABS: IK 07 (+35 °C)/IK 06 (-25 °C)
Flammability rating:	PC: UL 746C 5V ABS: UL 94 HB
Material	
Base:	ABS or fibreglass reinforced polycarbonate
Cover:	ABS or polycarbonate
Cover screws:	Fibreglass reinforced polyamide
Gasket:	PUR (polyurethane)
Knockout alternatives	
PC enclosures:	Plain sides, metric knockouts or Pg knockouts
ABS enclosures:	Plain sides
Standard colour	
Base:	Grey RAL 7035
Cover:	Grey RAL 7035 or transparent

Material based technical information is available on page 5.



Ensto Cubo S enclosures are available in 36 sizes, with two base depths (25 and 50 mm) and 5 different cover heights.



The enclosure has unique slots in the base for printed circuit boards.



The cover can be sealed with a standard cover screw.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo S enclosures

Ensto Cubo S enclosures with plain sides, polycarbonate

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
SPCP081304LG		75	125	35	25	20.5	12	6438100101299
SPCP081305LG		75	125	50	25	35.5	18	6438100101336
SPCP081306G		75	125	60	50	45.5	18	6438100101374
SPCP081308LG		75	125	75	25	60.5	18	6438100101459
SPCP081308G		75	125	75	50	60.5	18	6418677155031
SPCP081310LG		75	125	100	25	85.5	9	6438100101497
SPCP081310G		75	125	100	50	85.5	9	6418677155086
SPCP081313G		75	125	125	50	110.5	9	6418677155147
SPCP101004LG		100	100	35	25	20.5	18	6438100101534
SPCP101006G		100	100	60	50	45.5	12	6438100101619
SPCP131304LG		125	125	35	25	20.5	18	6438100101671
SPCP131305LG		125	125	50	25	35.5	18	6438100101718
SPCP131306G		125	125	60	50	45.5	18	6438100101756
SPCP131308LG		125	125	75	25	60.5	18	6438100101817
SPCP131308G		125	125	75	50	60.5	18	6418677155208
SPCP131310LG		125	125	100	25	85.5	12	6438100101855
SPCP131310G		125	125	100	50	85.5	12	6418677155260
SPCP131313G		125	125	125	50	110.5	18	6418677155321
SPCP131804LG		125	175	35	25	20.5	18	6438100101893
SPCP131805LG		125	175	50	25	35.5	12	6438100101930
SPCP131806G		125	175	60	50	45.5	12	6438100101978
SPCP131808LG		125	175	75	25	60.5	25	6438100102050
SPCP131808G		125	175	75	50	60.5	25	6418677155383
SPCP131810LG		125	175	100	25	85.5	19	6438100102098
SPCP131810G		125	175	100	50	85.5	19	6418677155444
SPCP131813LG		125	175	125	25	110.5	14	6438100102135
SPCP131813G		125	175	125	50	110.5	14	6418677155505
SPCP131815G		125	175	150	50	135.5	6	6418677155567
SPCP132513G		125	250	125	50	110.5	9	6438100104696
SPCP181808G		175	175	75	50	60.5	7	6418677155628
SPCP181810G		175	175	100	50	85.5	6	6418677155680
SPCP181813G		175	175	125	50	110.5	5	6418677155741
SPCP181815G		175	175	150	50	135.5	4	6418677155802
SPCP182508G		175	250	75	50	60.5	12	6418677155864
SPCP182510G		175	250	100	50	85.5	12	6418677155925
SPCP182515G		175	250	150	50	135.5	6	6418677155987
Transparent cover								
SPCP081304LT		75	125	35	25	20.5	12	6438100101305
SPCP081305LT		75	125	50	25	35.5	18	6438100101343
SPCP081306T		75	125	60	50	45.5	18	6438100101381
SPCP081308LT		75	125	75	25	60.5	18	6438100101466
SPCP081308T		75	125	75	50	60.5	18	6418677155024
SPCP081310LT		75	125	100	25	85.5	9	6438100101503
SPCP081310T		75	125	100	50	85.5	9	6418677155093
SPCP081313T		75	125	125	50	110.5	9	6418677155154
SPCP101004LT		100	100	35	25	20.5	18	6438100101541
SPCP101006T		100	100	60	50	45.5	12	6438100101626
SPCP131304LT		125	125	35	25	20.5	18	6438100101688
SPCP131305LT		125	125	50	25	35.5	18	6438100101725
SPCP131306T		125	125	60	50	45.5	18	6438100101763
SPCP131308LT		125	125	75	25	60.5	18	6438100101824
SPCP131308T		125	125	75	50	60.5	18	6418677155215
SPCP131310LT		125	125	100	25	85.5	12	6438100101862
SPCP131310T		125	125	100	50	85.5	12	6418677155277
SPCP131313T		125	125	125	50	110.5	18	6418677155338
SPCP131804LT		125	175	35	25	20.5	18	6438100101909
SPCP131805LT		125	175	50	25	35.5	12	6438100101947
SPCP131806T		125	175	60	50	45.5	12	6438100101985
SPCP131808LT		125	175	75	25	60.5	25	6438100102067
SPCP131808T		125	175	75	50	60.5	25	6418677155390
SPCP131810LT		125	175	100	25	85.5	19	6438100102104
SPCP131810T		125	175	100	50	85.5	19	6418677155451
SPCP131813LT		125	175	125	25	110.5	14	6438100102142
SPCP131813T		125	175	125	50	110.5	14	6418677155512
SPCP131815T		125	175	150	50	135.5	6	6418677155574
SPCP132513T		125	250	125	50	110.5	9	6438100104702
SPCP181808T		175	175	75	50	60.5	7	6418677155635
SPCP181810T		175	175	100	50	85.5	6	6418677155697
SPCP181813T		175	175	125	50	110.5	5	6418677155758
SPCP181815T		175	175	150	50	135.5	4	6418677155819
SPCP182508T		175	250	75	50	60.5	12	6418677155871
SPCP182510T		175	250	100	50	85.5	12	6418677155932
SPCP182515T		175	250	150	50	135.5	6	6418677155994



Ensto Cubo S enclosures

Ensto Cubo S enclosures with plain sides, ABS

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
SABP081304LG		75	125	35	25	20.5	12	6438100101312
SABP081305LG		75	125	50	25	35.5	18	6438100101350
SABP081306G		75	125	60	50	45.5	18	6438100101398
SABP081308LG		75	125	75	50	60.5	18	6438100101473
SABP081308G		75	125	75	25	60.5	18	6418677155048
SABP081310LG		75	125	100	50	85.5	9	6438100101510
SABP081310G		75	125	100	25	85.5	9	6418677155109
SABP081313G		75	125	125	50	110.5	9	6418677155161
SABP101004LG		100	100	35	25	20.5	18	6438100101558
SABP101006G		100	100	60	50	45.5	12	6438100101633
SABP131304LG		125	125	35	25	20.5	18	6438100101695
SABP131305LG		125	125	50	25	35.5	18	6438100101732
SABP131306G		125	125	60	50	45.5	18	6438100101770
SABP131308LG		125	125	75	25	60.5	18	6438100101831
SABP131308G		125	125	75	50	60.5	18	6418677155222
SABP131310LG		125	125	100	25	85.5	12	6438100101879
SABP131310G		125	125	100	50	85.5	12	6418677155284
SABP131313G		125	125	125	50	110.5	18	6418677155345
SABP131804LG		125	175	35	25	20.5	18	6438100101916
SABP131805LG		125	175	50	25	35.5	12	6438100101954
SABP131806G		125	175	60	50	45.5	12	6438100101992
SABP131808LG		125	175	75	25	60.5	25	6438100102074
SABP131808G		125	175	75	50	60.5	25	6418677155406
SABP131810LG		125	175	100	25	85.5	19	6438100102111
SABP131810G		125	175	100	50	85.5	19	6418677155468
SABP131813LG		125	175	125	25	110.5	14	6438100102159
SABP131813G		125	175	125	50	110.5	14	6418677155529
SABP131815G		125	175	150	50	135.5	6	6418677155581
SABP132513G		125	250	125	50	110.5	9	6438100104719
SABP181808G		175	175	75	50	60.5	7	6418677155642
SABP181810G		175	175	100	50	85.5	6	6418677155703
SABP181813G		175	175	125	50	110.5	5	6418677155765
SABP181815G		175	175	150	50	135.5	4	6418677155826
SABP182508G		175	250	75	50	60.5	12	6418677155888
SABP182510G		175	250	100	50	85.5	12	6418677155949
SABP182515G		175	250	150	50	135.5	6	6418677156007
Transparent cover								
SABP081304LT		75	125	35	25	20.5	12	6438100101329
SABP081305LT		75	125	50	25	35.5	18	6438100101367
SABP081306T		75	125	60	50	45.5	18	6438100101404
SABP081308LT		75	125	75	50	60.5	18	6438100101480
SABP081308T		75	125	75	25	60.5	18	6418677155055
SABP081310LT		75	125	100	50	85.5	9	6438100101527
SABP081310T		75	125	100	25	85.5	9	6418677155116
SABP081313T		75	125	125	50	110.5	9	6418677155178
SABP101004LT		100	100	35	25	20.5	18	6438100101565
SABP101006T		100	100	60	50	45.5	12	6438100101640
SABP131304LT		125	125	35	25	20.5	18	6438100101701
SABP131305LT		125	125	50	25	35.5	18	6438100101749
SABP131306T		125	125	60	50	45.5	18	6438100101787
SABP131308LT		125	125	75	25	60.5	18	6438100101848
SABP131308T		125	125	75	50	60.5	18	6418677155239
SABP131310LT		125	125	100	25	85.5	12	6438100101886
SABP131310T		125	125	100	50	85.5	12	6418677155291
SABP131313T		125	125	125	50	110.5	18	6418677155352
SABP131804LT		125	175	35	25	20.5	18	6438100101923
SABP131805LT		125	175	50	25	35.5	12	6438100101961
SABP131806T		125	175	60	50	45.5	12	6438100102005
SABP131808LT		125	175	75	25	60.5	25	6438100102081
SABP131808T		125	175	75	50	60.5	25	6418677155413
SABP131810LT		125	175	100	25	85.5	19	6438100102128
SABP131810T		125	175	100	50	85.5	19	6418677155475
SABP131813LT		125	175	125	25	110.5	14	6438100102166
SABP131813T		125	175	125	50	110.5	14	6418677155536
SABP131815T		125	175	150	50	135.5	6	6418677155598
SABP132513T		125	250	125	50	110.5	9	6438100104726
SABP181808T		175	175	75	50	60.5	7	6418677155659
SABP181810T		175	175	100	50	85.5	6	6418677155710
SABP181813T		175	175	125	50	110.5	5	6418677155772
SABP181815T		175	175	150	50	135.5	4	6418677155833
SABP182508T		175	250	75	50	60.5	12	6418677155895
SABP182510T		175	250	100	50	85.5	12	6418677155956
SABP182515T		175	250	150	50	135.5	6	6418677156014



SABP131304LG



SABP081313G



SABP131306T



SABP131310T



SABP131313T

Ensto Cubo S enclosures

Ensto Cubo S enclosures with metric knockouts, polycarbonate

Product code	Knockouts	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code	
		Width	Height	Depth	Base depth				
Grey cover									
SPCM081306G	2 x M16/25 + 6 x M12/20	75	125	60	50	45.5	18	6438100101411	
SPCM081308G	2 x M16/25 + 6 x M12/20	75	125	75	50	60.5	18	6418677166358	
SPCM081310G	2 x M16/25 + 6 x M12/20	75	125	100	50	85.5	9	6418677166365	
SPCM081313G	2 x M16/25 + 6 x M12/20	75	125	125	50	110.5	9	6418677166372	
SPCM101006G	2 x M16/25 + 4 x M12/20	100	100	60	50	45.5	12	6438100101657	
SPCM131306G	4 x M16/25 + 6 x M12/20	125	125	60	50	45.5	18	6438100100445	
SPCM131308G	4 x M16/25 + 6 x M12/20	125	125	75	50	60.5	18	6418677166389	
SPCM131310G	4 x M16/25 + 6 x M12/20	125	125	100	50	85.5	12	6418677166396	
SPCM131313G	4 x M16/25 + 6 x M12/20	125	125	125	50	110.5	18	6418677166402	
SPCM131806G	4 x M16/25 + 8 x M12/20	125	175	60	50	45.5	12	6438100102012	
SPCM131808G	4 x M16/25 + 8 x M12/20	125	175	75	50	60.5	25	6418677166419	
SPCM131810G	4 x M16/25 + 8 x M12/20	125	175	100	50	85.5	19	6418677166426	
SPCM131813G	4 x M16/25 + 8 x M12/20	125	175	125	50	110.5	14	6418677166433	
SPCM131815G	4 x M16/25 + 8 x M12/20	125	175	150	50	135.5	6	6418677166440	
SPCM132513G	4 x M20/25	125	250	125	50	110.5	9	6438100104733	
SPCM181808G	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	75	50	60.5	7	6418677166457	
SPCM181810G	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	100	50	85.5	6	6418677166464	
SPCM181813G	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	125	50	110.5	5	6418677166471	
SPCM181815G	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	150	50	135.5	4	6418677166488	
SPCM182508G	4 x M12/20 + 4 x M16/25 + 12 x M12/20	175	250	75	50	60.5	12	6418677166495	
SPCM182510G	4 x M12/20 + 4 x M16/25 + 12 x M12/20	175	250	100	50	85.5	12	6418677166501	
SPCM182515G	4 x M12/20 + 4 x M16/25 + 12 x M12/20	175	250	150	50	135.5	6	6418677166518	
Transparent cover									
SPCM081306T	2 x M16/25 + 6 x M12/20	75	125	60	50	45.5	18	6438100101428	
SPCM081308T	2 x M16/25 + 6 x M12/20	75	125	75	50	60.5	18	6418677166525	
SPCM081310T	2 x M16/25 + 6 x M12/20	75	125	100	50	85.5	9	6418677166532	
SPCM081313T	2 x M16/25 + 6 x M12/20	75	125	125	50	110.5	9	6418677166549	
SPCM101006T	2 x M16/25 + 4 x M12/20	100	100	60	50	45.5	12	6438100101664	
SPCM131306T	4 x M16/25 + 6 x M12/20	125	125	60	50	45.5	18	6438100100452	
SPCM131308T	4 x M16/25 + 6 x M12/20	125	125	75	50	60.5	18	6418677166556	
SPCM131310T	4 x M16/25 + 6 x M12/20	125	125	100	50	85.5	12	6418677166563	
SPCM131313T	4 x M16/25 + 6 x M12/20	125	125	125	50	110.5	18	6418677166570	
SPCM131806T	4 x M16/25 + 8 x M12/20	125	175	60	50	45.5	12	6438100102029	
SPCM131808T	4 x M16/25 + 8 x M12/20	125	175	75	50	60.5	25	6418677166587	
SPCM131810T	4 x M16/25 + 8 x M12/20	125	175	100	50	85.5	19	6418677166594	
SPCM131813T	4 x M16/25 + 8 x M12/20	125	175	125	50	110.5	14	6418677166600	
SPCM131815T	4 x M16/25 + 8 x M12/20	125	175	150	50	135.5	6	6418677166617	
SPCM132513T	4 x M20/25	125	250	125	50	110.5	9	6438100104740	
SPCM181808T	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	75	50	60.5	7	6418677166624	
SPCM181810T	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	100	50	85.5	6	6418677166631	
SPCM181813T	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	125	50	110.5	5	6418677166648	
SPCM181815T	4 x M12/20 + 4 x M16/25 + 10 x M12/20	175	175	150	50	135.5	4	6418677166655	
SPCM182508T	4 x M12/20 + 4 x M16/25 + 12 x M12/20	175	250	75	50	60.5	12	6418677166662	
SPCM182510T	4 x M12/20 + 4 x M16/25 + 12 x M12/20	175	250	100	50	85.5	12	6418677166679	
SPCM182515T	4 x M12/20 + 4 x M16/25 + 12 x M12/20	175	250	150	50	135.5	6	6418677166686	



Ensto Cubo S enclosures with Pg knockouts, polycarbonate

Product code	Knockouts	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
SPCK081306G	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	60	50	45.5	18	6438100101435
SPCK081308G	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	75	50	60.5	18	6418677155000
SPCK081310G	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	100	50	85.5	9	6418677155062
SPCK081313G	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	125	50	110.5	9	6418677155123
SPCK131306G	4 x Pg16/21 + 6 x Pg9/13.5	125	125	60	50	45.5	18	6438100101794
SPCK131308G	4 x Pg16/21 + 6 x Pg9/13.5	125	125	75	50	60.5	18	6418677155185
SPCK131310G	4 x Pg16/21 + 6 x Pg9/13.5	125	125	100	50	85.5	12	6418677155246
SPCK131313G	4 x Pg16/21 + 6 x Pg9/13.5	125	125	125	50	110.5	18	6418677155307
SPCK131806G	4 x Pg16/21 + 8 x Pg9/13.5	125	175	60	50	45.5	12	6438100102036
SPCK131808G	4 x Pg16/21 + 8 x Pg9/13.5	125	175	75	50	60.5	25	6418677155369
SPCK131810G	4 x Pg16/21 + 8 x Pg9/13.5	125	175	100	50	85.5	19	6418677155420
SPCK131813G	4 x Pg16/21 + 8 x Pg9/13.5	125	175	125	50	110.5	14	6418677155482
SPCK131815G	4 x Pg16/21 + 8 x Pg9/13.5	125	175	150	50	135.5	6	6418677155543
SPCK181808G	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	75	50	60.5	7	6418677155604
SPCK181810G	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	100	50	85.5	6	6418677155666
SPCK181813G	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	125	50	110.5	5	6418677155727
SPCK181815G	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	150	50	135.5	4	6418677155789



Ensto Cubo S enclosures

Ensto Cubo S enclosures with Pg knockouts, polycarbonate

Product code	Knockouts	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
SPCK182508G	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5	175	250	75	50	60.5	12	6418677155840
SPCK182510G	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5	175	250	100	50	85.5	12	6418677155901
SPCK182515G	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5	175	250	150	50	135.5	6	6418677155963
Transparent cover								
SPCK081306T	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	60	50	45.5	18	6438100101442
SPCK081308T	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	75	50	60.5	18	6418677155017
SPCK081310T	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	100	50	85.5	9	6418677155079
SPCK081313T	2 x Pg9/13.5 + 6 x Pg9/13.5	75	125	125	50	110.5	9	6418677155130
SPCK131306T	4 x Pg16/21 + 6 x Pg9/13.5	125	125	60	50	45.5	18	6438100101800
SPCK131308T	4 x Pg16/21 + 6 x Pg9/13.5	125	125	75	50	60.5	18	6418677155192
SPCK131310T	4 x Pg16/21 + 6 x Pg9/13.5	125	125	100	50	85.5	12	6418677155253
SPCK131313T	4 x Pg16/21 + 6 x Pg9/13.5	125	125	125	50	110.5	18	6418677155314
SPCK131806T	4 x Pg16/21 + 8 x Pg9/13.5	125	175	60	50	45.5	12	6438100102043
SPCK131808T	4 x Pg16/21 + 8 x Pg9/13.5	125	175	75	50	60.5	25	6418677155376
SPCK131810T	4 x Pg16/21 + 8 x Pg9/13.5	125	175	100	50	85.5	19	6418677155437
SPCK131813T	4 x Pg16/21 + 8 x Pg9/13.5	125	175	125	50	110.5	14	6418677155499
SPCK131815T	4 x Pg16/21 + 8 x Pg9/13.5	125	175	150	50	135.5	6	6418677155550
SPCK181808T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	75	50	60.5	7	6418677155611
SPCK181810T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	100	50	85.5	6	6418677155673
SPCK181813T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	125	50	110.5	5	6418677155734
SPCK181815T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5	175	175	150	50	135.5	4	6418677155796
SPCK182508T	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5	175	250	75	50	60.5	12	6418677155857
SPCK182510T	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5	175	250	100	50	85.5	12	6418677155918
SPCK182515T	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5	175	250	150	50	135.5	6	6418677155970



Mounting plates and DIN rails

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Mounting plates, galvanized steel				
SMP0813	For 75 x 125 mm enclosures	48 x 98 x 1.5	10	6418677156038
SMP1010	For 100 x 100 mm enclosures	78 x 78 x 1.5	10	6438100104849
SMP1313	For 125 x 125 mm enclosures	98 x 98 x 1.5	10	6418677156045
SMP1318	For 125 x 175 mm enclosures	98 x 148 x 1.5	10	6418677156052
SMP1325	For 125 x 250 mm enclosures	98 x 223 x 1.5	10	6438100104535
SMP1818	For 175 x 175 mm enclosures	148 x 148 x 1.5	10	6418677156069
SMP1825	For 175 x 250 mm enclosures	148 x 223 x 1.5	10	6418677156076
DIN rails, DIN 46277/3, galvanized steel				
DR35040.4	For 75 mm sides	35 x 50	10	6418677156090
DR35070.4	For 100 mm sides	35 x 80	10	6438100104450
DR35090.4	For 125 mm sides	35 x 100	10	6418677156106
DR35140.4	For 175 mm sides	35 x 150	10	6418677156113
DR35215.4	For 250 mm sides	35 x 225	10	6418677156120



Ensto Cubo S enclosures

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
DSH11	Hinge, pair, polycarbonate	28 x 28	1	6418677156144
SFL1	Fastening lug, set of 4 pcs, polycarbonate	15 x 30	1	6418677156151
SBI1	Insert for pods, brass	M2	50	6418677156168
SBIA1.04	Insert, set of 4 pcs	M2	1	6418677156830
SBS40	Steel pillar, 40 mm, for panels	7 x 48	4	6438100086022
SMS1	Mounting screw for plates and rails, steel	4 x 8	100	6418677156175
SCP08	Cover plug, short, for 25 mm cover	ø11 x 12	10	6418677156847
SCP10	Cover plug, long, for 50 mm cover	ø12 x 36.5	10	6418677156854
SCP1315	Cover plug, short, for 75 and 100 mm covers	ø11.5 x 12	10	6418677156861
SLS35	Cover screw, medium	11 x 35	100	6418677156182
SLS60	Cover screw, long, for 50 mm covers	11 x 60	50	6418677156199
SLSA23.04	Screw set, incl. 4 short cover screws for 10 mm cover and 4 mounting screws SMS1	11 x 23	10	6438100100407
SLSA35.04	Screw set, incl. 4 medium cover screws SLS35 and 4 mounting screws SMS1	11 x 35	10	6418677154980
SLSA60.04	Screw set, incl. 4 long cover screws for 50 mm cover SLS60 and 4 mounting screws SMS1	11 x 60	10	6418677154997
SLW1	Cover screw's wing head part, only for 25 and 50 mm covers	11 x 17	10	6418677154867
PEM237.2	UL label, for SPCx enclosure	30 x 37	1	6438100081904
PEM166	UL label, for polycarbonate enclosure	38 x 64	1	6418677181719



Hinge pair, DSH11.



Fastening lug set, SFL1.



Insert for pods, brass, SBI1.



Steel pillar for panels, SBS40.



Mounting screw for plates and rails, steel, SMS1.



Cover plug, short, SCP1315.



Cover plug, long, SCP10.



Cover screw, medium, SLS35.



Cover screw, long, SLS60.



Screw set, incl. 4 short cover screws and 4 mounting screws, SLSA23.04.



Cover screw's wing head part, SLW1.



UL label, PEM 237.2.

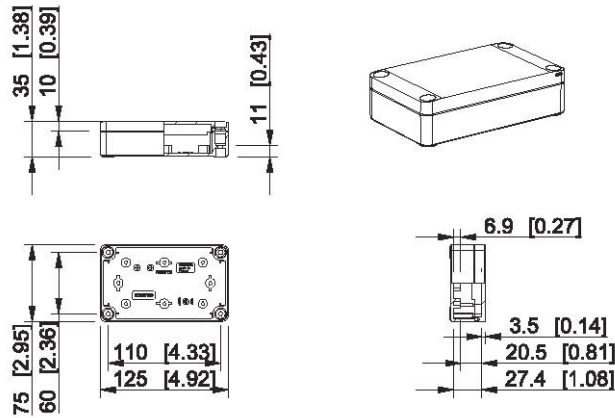


UL label, PEM166.

Technical drawings, Ensto Cubo S

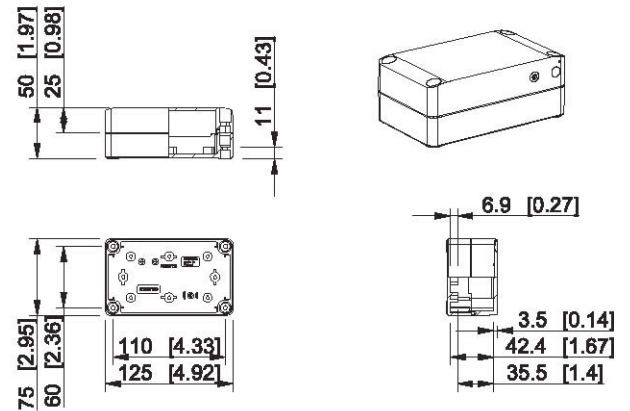
Measurements in mm [inch]

Ensto Cubo S 75 x 125 x 35 mm



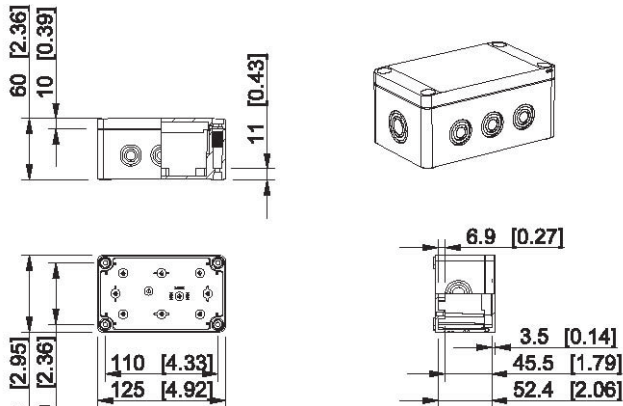
Grey cover	Transparent cover	Description
SPCP081304LG	SPCP081304LT	Plain sides, polycarbonate
SABP081304LG	SABP081304LT	Plain sides, ABS

Ensto Cubo S 75 x 125 x 50 mm



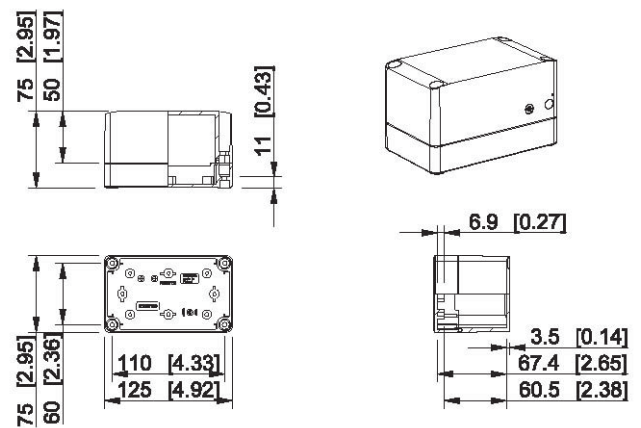
Grey cover	Transparent cover	Description
SPCP081305LG	SPCP081305LT	Plain sides, polycarbonate
SABP081305LG	SABP081305LT	Plain sides, ABS

Ensto Cubo S 75 x 125 x 60 mm



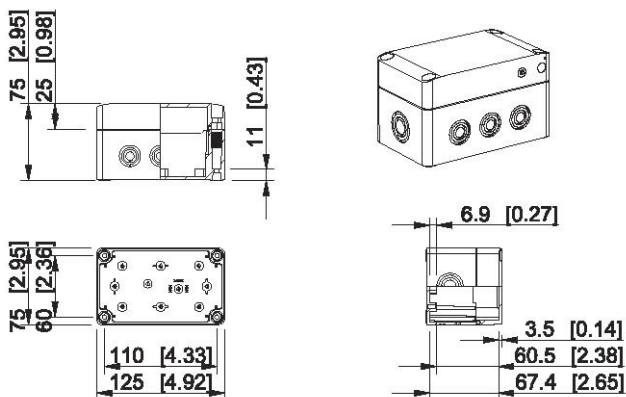
Grey cover	Transparent cover	Description
SPCP081306G	SPCP081306T	Plain sides, polycarbonate
SABP081306G	SABP081306T	Plain sides, ABS
SPCM081306G	SPCM081306T	2 x M16/25 + 6 x M12/20, PC
SPCK081306G	SPCK081306T	2 x Pg9/13.5 + 6 x Pg9/13.5, PC

Ensto Cubo S 75 x 125 x 75 mm



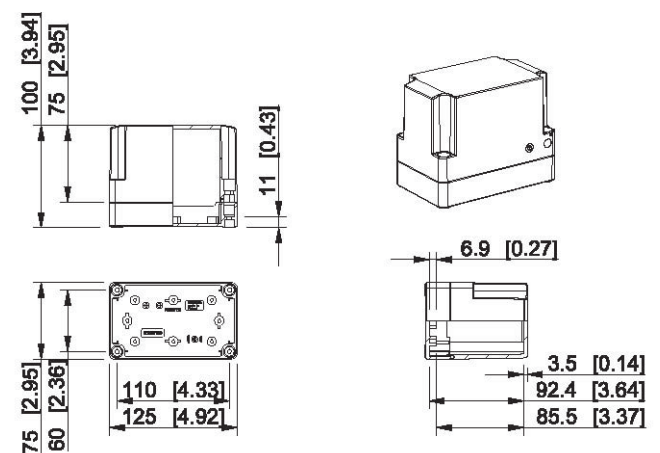
Grey cover	Transparent cover	Description
SPCP081308LG	SPCP081308LT	Plain sides, polycarbonate
SABP081308LG	SABP081308LT	Plain sides, ABS

Ensto Cubo S 75 x 125 x 75 mm



Grey cover	Transparent cover	Description
SPCP081308G	SPCP081308T	Plain sides, polycarbonate
SABP081308G	SABP081308T	Plain sides, ABS
SPCM081308G	SPCM081308T	2 x M16/25 + 6 x M12/20, PC
SPCK081308G	SPCK081308T	2 x Pg9/13.5 + 6 x Pg9/13.5, PC

Ensto Cubo S 75 x 125 x 100 mm

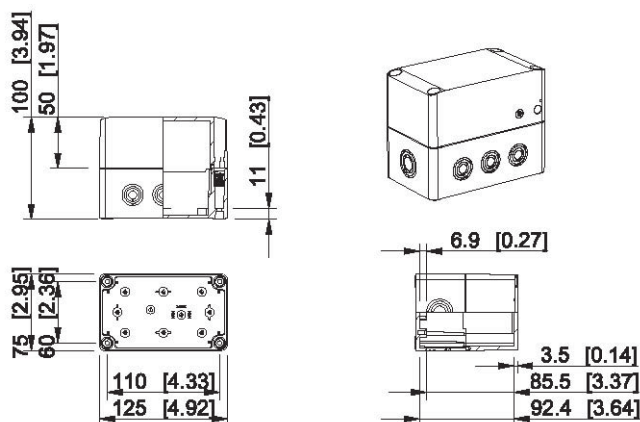


Grey cover	Transparent cover	Description
SPCP081310LG	SPCP081310LT	Plain sides, polycarbonate
SABP081310LG	SABP081310LT	Plain sides, ABS

Technical drawings, Ensto Cubo S

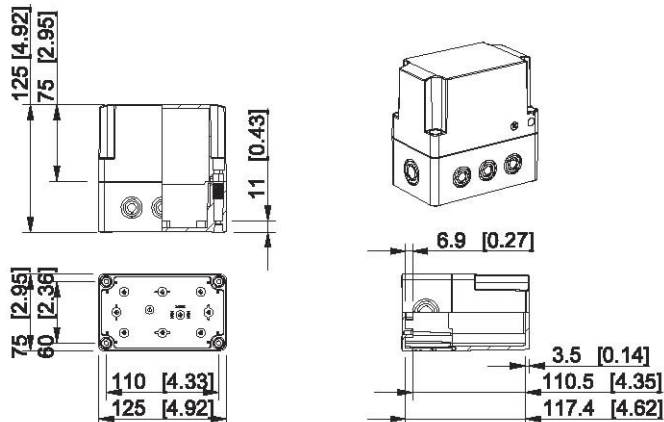
Measurements in mm [inch]

Ensto Cubo S 75 x 125 x 100 mm



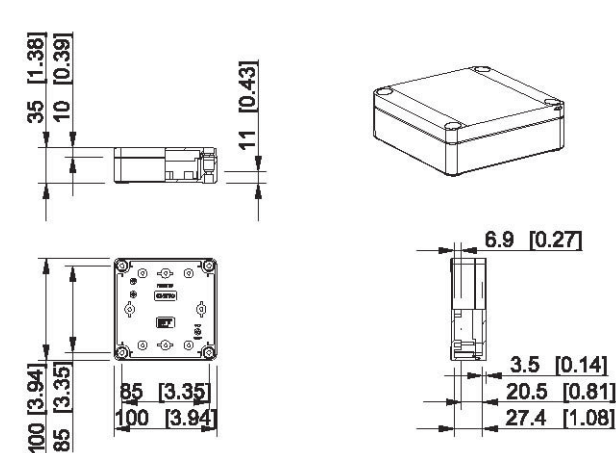
Grey cover	Transparent cover	Description
SPCP081310G	SPCP081310T	Plain sides, polycarbonate
SABP081310G	SABP081310T	Plain sides, ABS
SPCM081310G	SPCM081310T	2 x M16/25 + 6 x M12/20, PC
SPCK081310G	SPCK081310T	2 x Pg9/13.5 + 6 x Pg9/13.5, PC

Ensto Cubo S 75 x 125 x 125 mm



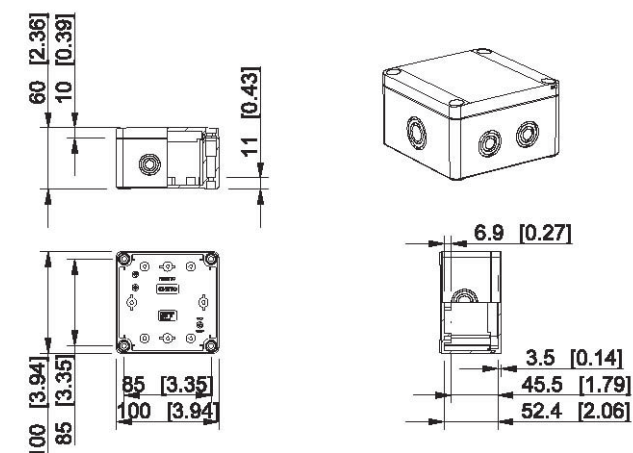
Grey cover	Transparent cover	Description
SPCP081313G	SPCP081313T	Plain sides, polycarbonate
SABP081313G	SABP081313T	Plain sides, ABS
SPCM081313G	SPCM081313T	2 x M16/25 + 6 x M12/20, PC
SPCK081313G	SPCK081313T	2 x Pg9/13.5 + 6 x Pg9/13.5, PC

Ensto Cubo S 100 x 100 x 35 mm



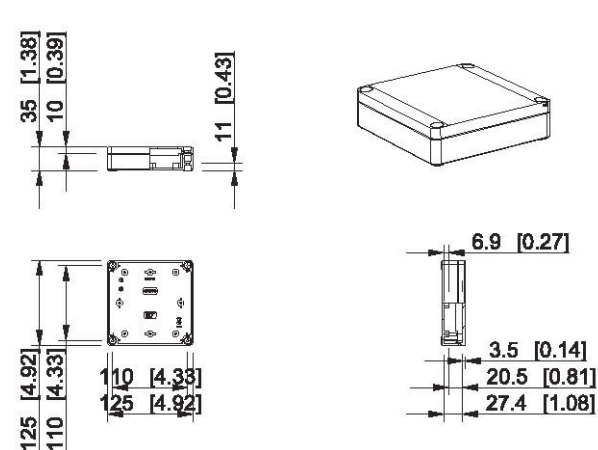
Grey cover	Transparent cover	Description
SPCP101004LG	SPCP101004LT	Plain sides, polycarbonate
SABP101004LG	SABP101004LT	Plain sides, ABS

Ensto Cubo S 100 x 100 x 60 mm



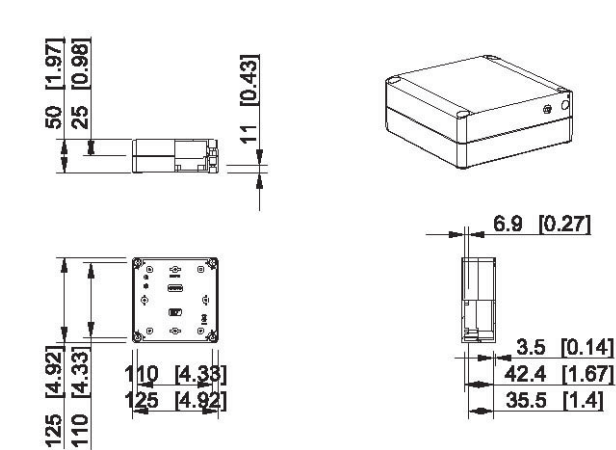
Grey cover	Transparent cover	Description
SPCP101006G	SPCP101006T	Plain sides, polycarbonate
SABP101006G	SABP101006T	Plain sides, ABS
SPCM101006G	SPCM101006T	2 x M16/25 + 4 x M12/20, PC

Ensto Cubo S 125 x 125 x 35 mm



Grey cover	Transparent cover	Description
SPCP131304LG	SPCP131304LT	Plain sides, polycarbonate
SABP131304LG	SABP131304LT	Plain sides, ABS

Ensto Cubo S 125 x 125 x 50 mm

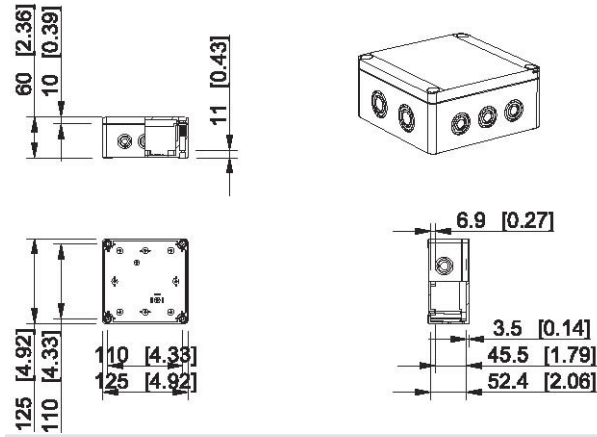


Grey cover	Transparent cover	Description
SPCP131305LG	SPCP131305LT	Plain sides, polycarbonate
SABP131305LG	SABP131305LT	Plain sides, ABS

Technical drawings, Ensto Cubo S

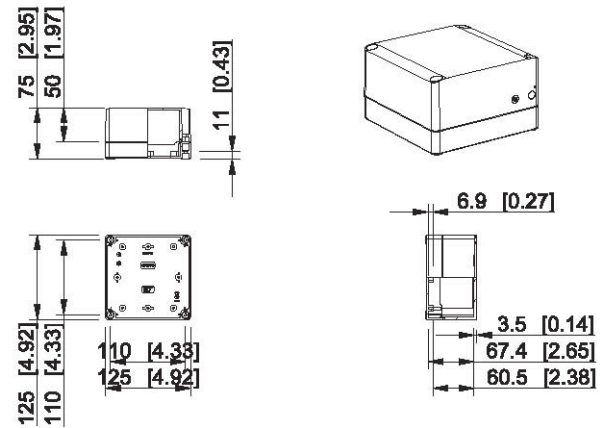
Measurements in mm [inch]

Ensto Cubo S 125 x 125 x 60 mm



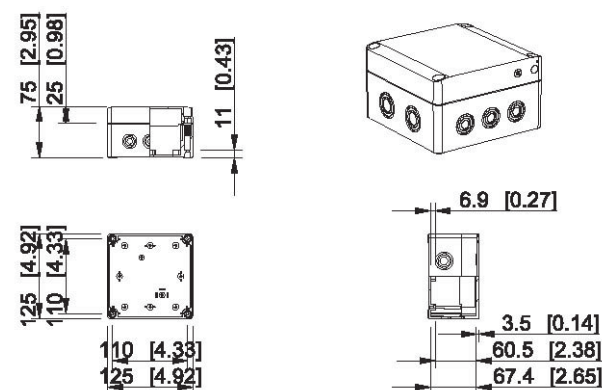
Grey cover	Transparent cover	Description
SPCP131306G	SPCP131306T	Plain sides, polycarbonate
SABP131306G	SABP131306T	Plain sides, ABS
SPCM131306G	SPCM131306T	4 x M16/25 + 6 x M12/20, PC
SPCK131306G	SPCK131306T	4 x Pg16/21 + 6 x Pg9/13.5, PC

Ensto Cubo S 125 x 125 x 75 mm



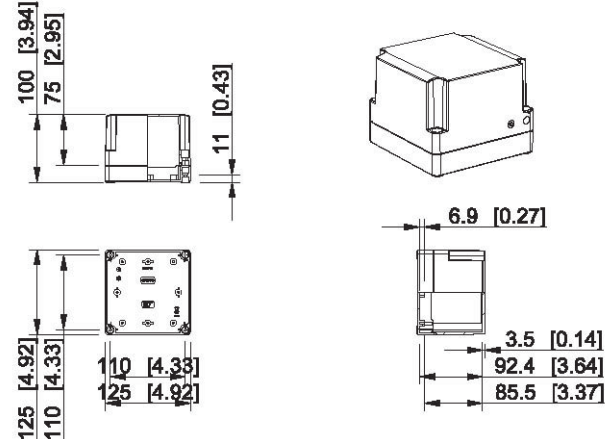
Grey cover	Transparent cover	Description
SPCP131308LG	SPCP131308LT	Plain sides, polycarbonate
SABP131308LG	SABP131308LT	Plain sides, ABS

Ensto Cubo S 125 x 125 x 75 mm



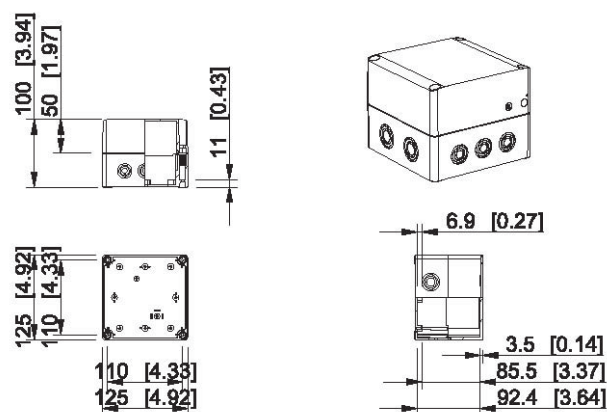
Grey cover	Transparent cover	Description
SPCP131308G	SPCP131308T	Plain sides, polycarbonate
SABP131308G	SABP131308T	Plain sides, ABS
SPCM131308G	SPCM131308T	4 x M16/25 + 6 x M12/20, PC
SPCK131308G	SPCK131308T	4 x Pg16/21 + 6 x Pg9/13.5, PC

Ensto Cubo S 125 x 125 x 100 mm



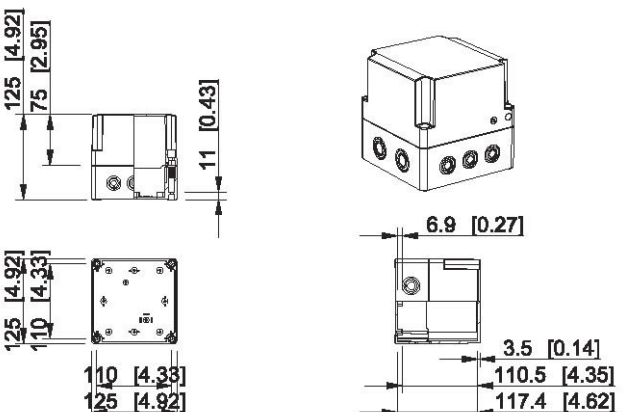
Grey cover	Transparent cover	Description
SPCP131310LG	SPCP131310LT	Plain sides, polycarbonate
SABP131310LG	SABP131310LT	Plain sides, ABS

Ensto Cubo S 125 x 125 x 100 mm



Grey cover	Transparent cover	Description
SPCP131310G	SPCP131310T	Plain sides, polycarbonate
SABP131310G	SABP131310T	Plain sides, ABS
SPCM131310G	SPCM131310T	4 x M16/25 + 6 x M12/20, PC
SPCK131310G	SPCK131310T	4 x Pg16/21 + 6 x Pg9/13.5, PC

Ensto Cubo S 125 x 125 x 125 mm

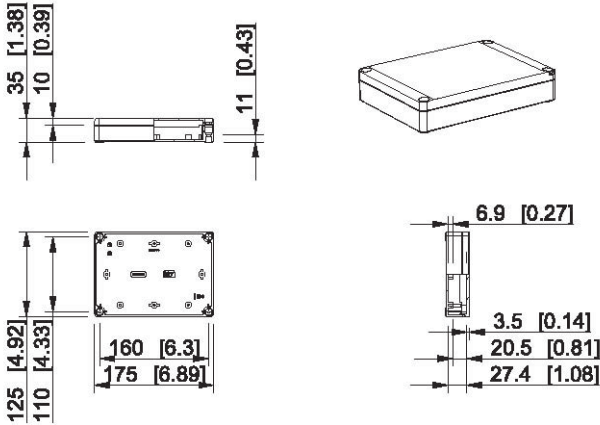


Grey cover	Transparent cover	Description
SPCP131313G	SPCP131313T	Plain sides, polycarbonate
SABP131313G	SABP131313T	Plain sides, ABS
SPCM131313G	SPCM131313T	4 x M16/25 + 6 x M12/20, PC
SPCK131313G	SPCK131313T	4 x Pg16/21 + 6 x Pg9/13.5, PC

Technical drawings, Ensto Cubo S

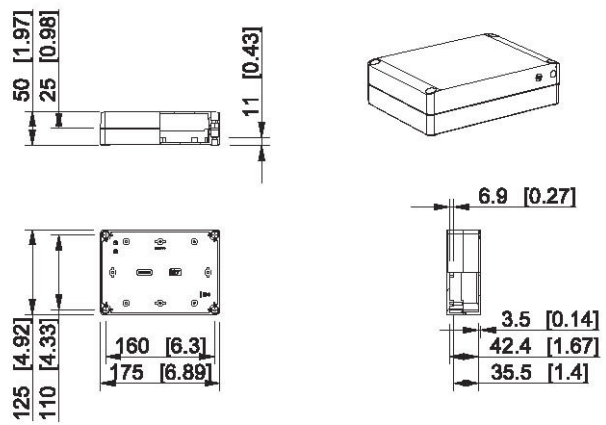
Measurements in mm [inch]

Ensto Cubo S 125 x 175 x 35 mm



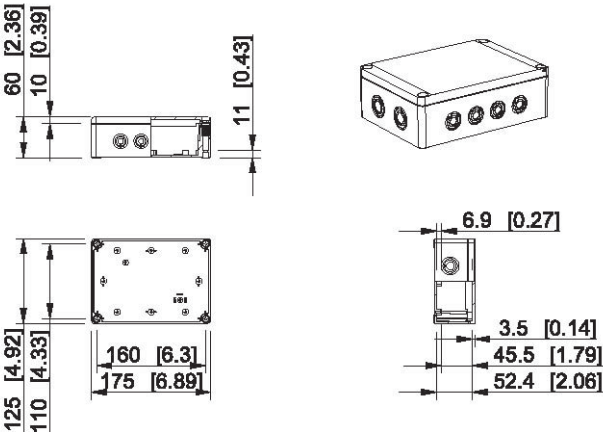
Grey cover	Transparent cover	Description
SPCP131804LG	SPCP131804LT	Plain sides, polycarbonate
SABP131804LG	SABP131804LT	Plain sides, ABS

Ensto Cubo S 125 x 175 x 50 mm



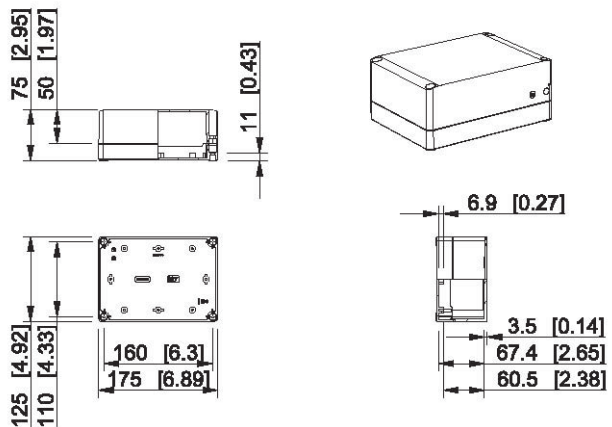
Grey cover	Transparent cover	Description
SPCP131805LG	SPCP131805LT	Plain sides, polycarbonate
SABP131805LG	SABP131805LT	Plain sides, ABS

Ensto Cubo S 125 x 175 x 60 mm



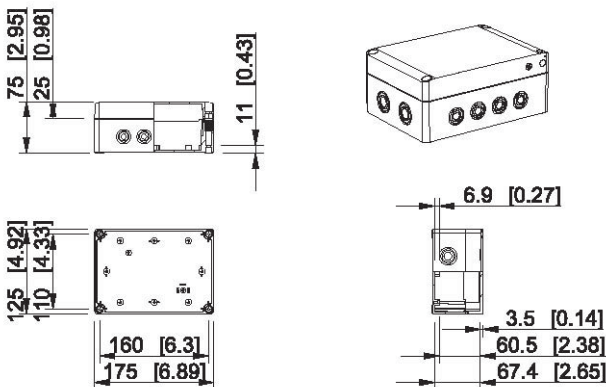
Grey cover	Transparent cover	Description
SPCP131806G	SPCP131806T	Plain sides, polycarbonate
SABP131806G	SABP131806T	Plain sides, ABS
SPCM131806G	SPCM131806T	4 x M16/25 + 8 x M12/20, PC
SPCK131806G	SPCK131806T	4 x Pg16/21 + 8 x Pg9/13.5, PC

Ensto Cubo S 125 x 175 x 75 mm



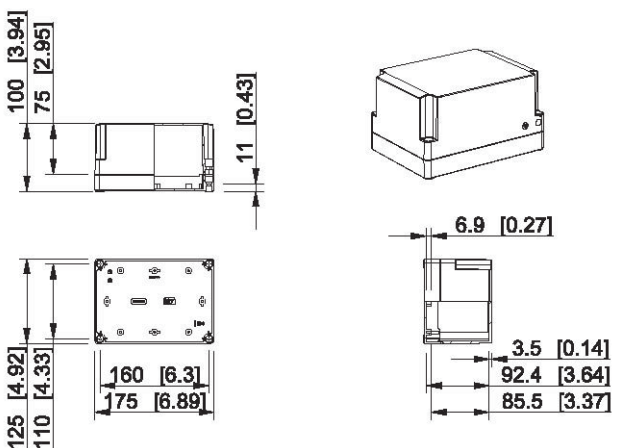
Grey cover	Transparent cover	Description
SPCP131808LG	SPCP131808LT	Plain sides, polycarbonate
SABP131808LG	SABP131808LT	Plain sides, ABS

Ensto Cubo S 125 x 175 x 75 mm



Grey cover	Transparent cover	Description
SPCP131808G	SPCP131808T	Plain sides, polycarbonate
SABP131808G	SABP131808T	Plain sides, ABS
SPCM131808G	SPCM131808T	4 x M16/25 + 8 x M12/20, PC
SPCK131808G	SPCK131808T	4 x Pg16/21 + 8 x Pg9/13.5, PC

Ensto Cubo S 125 x 175 x 100 mm

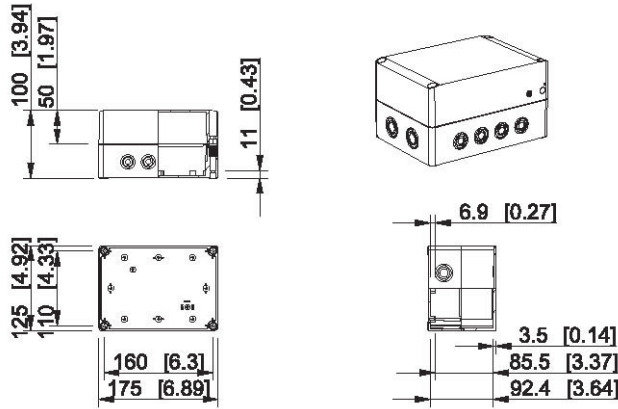


Grey cover	Transparent cover	Description
SPCP131810LG	SPCP131810LT	Plain sides, polycarbonate
SABP131810LG	SABP131810LT	Plain sides, ABS

Technical drawings, Ensto Cubo S

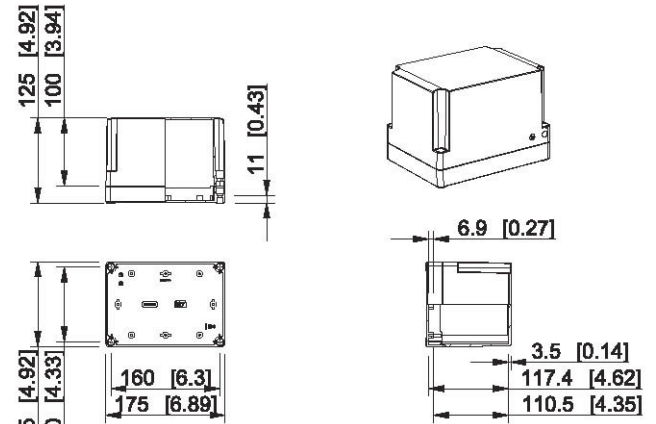
Measurements in mm [inch]

Ensto Cubo S 125 x 175 x 100 mm



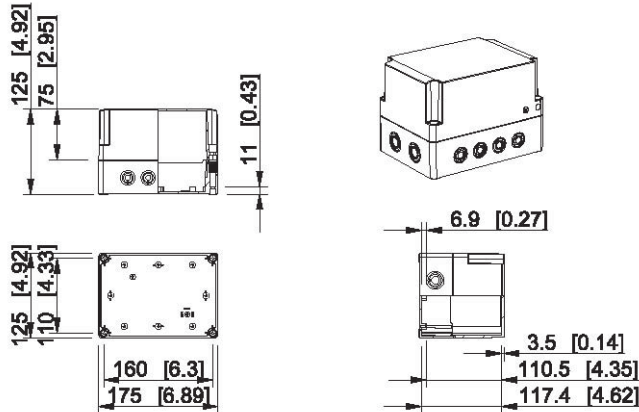
Grey cover	Transparent cover	Description
SPCP131810G	SPCP131810T	Plain sides, polycarbonate
SABP131810G	SABP131810T	Plain sides, ABS
SPCM131810G	SPCM131810T	4 x M16/25 + 8 x M12/20, PC
SPCK131810G	SPCK131810T	4 x Pg16/21 + 8 x Pg9/13.5, PC

Ensto Cubo S 125 x 175 x 125 mm



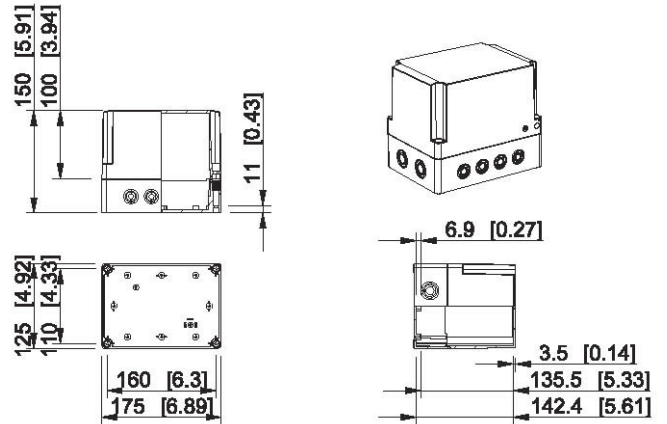
Grey cover	Transparent cover	Description
SPCP131813LG	SPCP131813LT	Plain sides, polycarbonate
SABP131813LG	SABP131813LT	Plain sides, ABS

Ensto Cubo S 125 x 175 x 125 mm



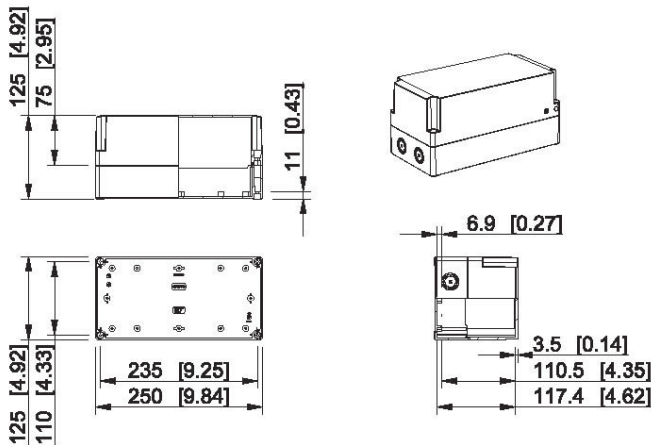
Grey cover	Transparent cover	Description
SPCP131813G	SPCP131813T	Plain sides, polycarbonate
SABP131813G	SABP131813T	Plain sides, ABS
SPCM131813G	SPCM131813T	4 x M16/25 + 8 x M12/20, PC
SPCK131813G	SPCK131813T	4 x Pg16/21 + 8 x Pg9/13.5, PC

Ensto Cubo S 125 x 175 x 150 mm



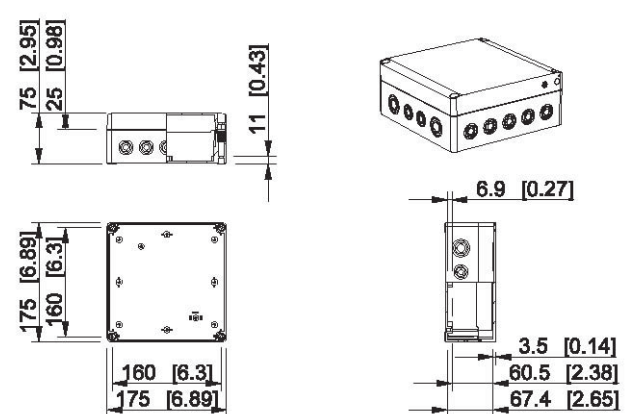
Grey cover	Transparent cover	Description
SPCP131815G	SPCP131815T	Plain sides, polycarbonate
SABP131815G	SABP131815T	Plain sides, ABS
SPCM131815G	SPCM131815T	4 x M16/25 + 8 x M12/20, PC
SPCK131815G	SPCK131815T	4 x Pg16/21 + 8 x Pg9/13.5, PC

Ensto Cubo S 125 x 250 x 125 mm



Grey cover	Transparent cover	Description
SPCP132513G	SPCP132513T	Plain sides, polycarbonate
SABP132513G	SABP132513T	Plain sides, ABS
SPCM132513G	SPCM132513T	4 x M20/25, PC

Ensto Cubo S 175 x 175 x 75 mm

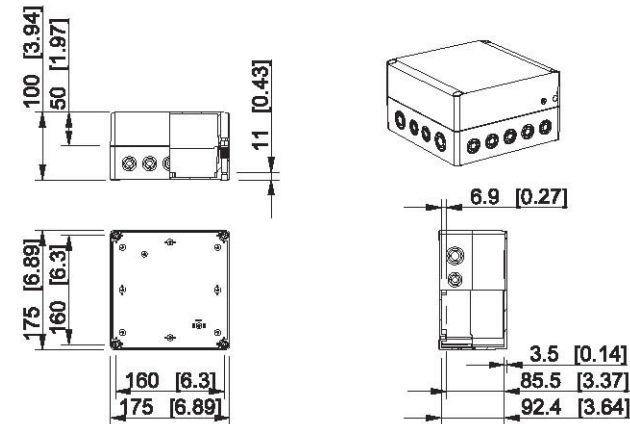


Grey cover	Transparent cover	Description
SPCP181808G	SPCP181808T	Plain sides, polycarbonate
SABP181808G	SABP181808T	Plain sides, ABS
SPCM181808G	SPCM181808T	4 x M12/20 + 4 x M16/25 + 10 x M12/20, PC
SPCK181808G	SPCK181808T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5, PC

Technical drawings, Ensto Cubo S

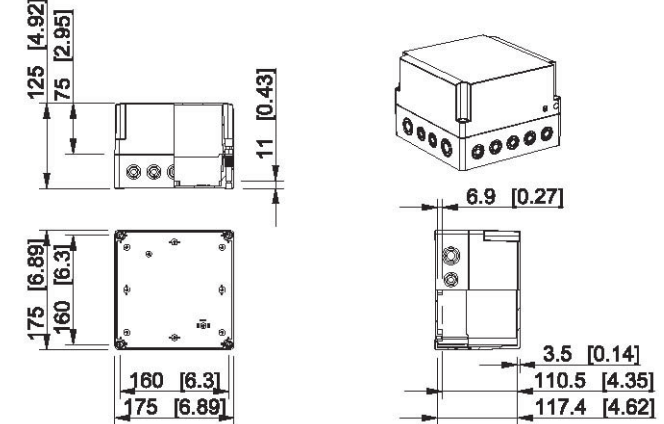
Measurements in mm [inch]

Ensto Cubo S 175 x 175 x 100 mm



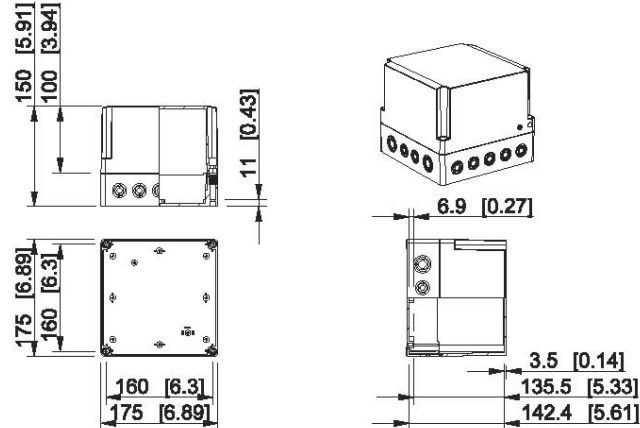
Grey cover	Transparent cover	Description
SPCP181810G	SPCP181810T	Plain sides, polycarbonate
SABP181810G	SABP181810T	Plain sides, ABS
SPCM181810G	SPCM181810T	4 x M12/20 + 4 x M16/25 + 10 x M12/20, PC
SPCK181810G	SPCK181810T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5, PC

Ensto Cubo S 175 x 175 x 125 mm



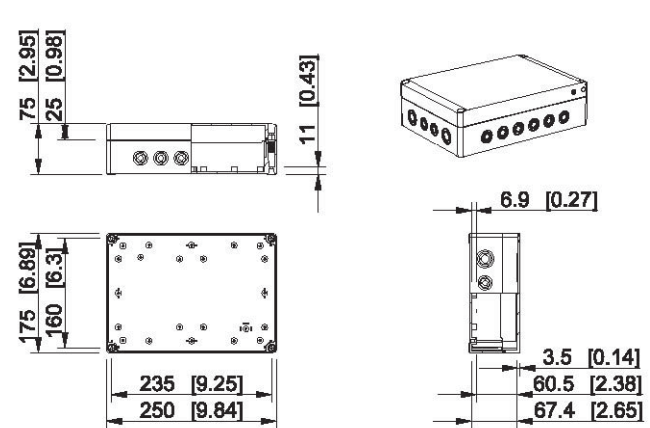
Grey cover	Transparent cover	Description
SPCP181813G	SPCP181813T	Plain sides, polycarbonate
SABP181813G	SABP181813T	Plain sides, ABS
SPCM181813G	SPCM181813T	4 x M12/20 + 4 x M16/25 + 10 x M12/20, PC
SPCK181813G	SPCK181813T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5, PC

Ensto Cubo S 175 x 175 x 150 mm



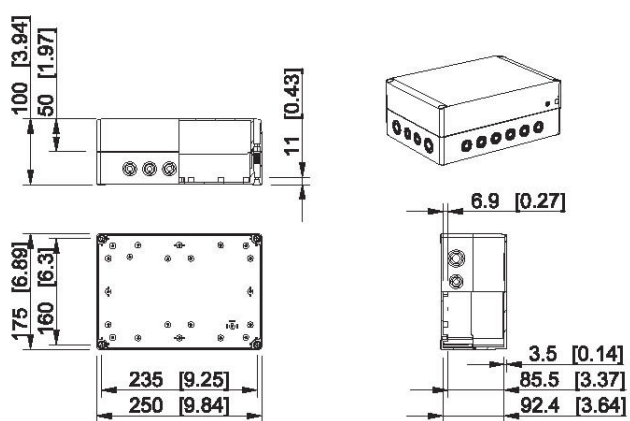
Grey cover	Transparent cover	Description
SPCP181815G	SPCP181815T	Plain sides, polycarbonate
SABP181815G	SABP181815T	Plain sides, ABS
SPCM181815G	SPCM181815T	4 x M12/20 + 4 x M16/25 + 10 x M12/20, PC
SPCK181815G	SPCK181815T	4 x Pg16/21 + 4 x Pg9/16 + 10 x Pg9/13.5, PC

Ensto Cubo S 175 x 250 x 75 mm



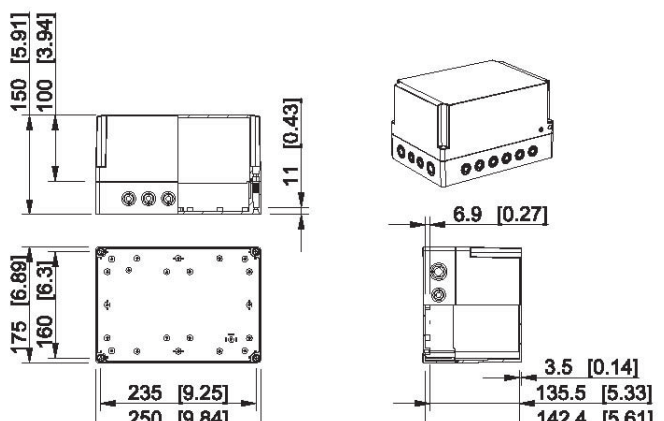
Grey cover	Transparent cover	Description
SPCP182508G	SPCP182508T	Plain sides, polycarbonate
SABP182508G	SABP182508T	Plain sides, ABS
SPCM182508G	SPCM182508T	4 x M12/20 + 4 x M16/25 + 12 x M12/20, PC
SPCK182508G	SPCK182508T	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5, PC

Ensto Cubo S 175 x 250 x 100 mm



Grey cover	Transparent cover	Description
SPCP182510G	SPCP182510T	Plain sides, polycarbonate
SABP182510G	SABP182510T	Plain sides, ABS
SPCM182510G	SPCM182510T	4 x M12/20 + 4 x M16/25 + 12 x M12/20, PC
SPCK182510G	SPCK182510T	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5, PC

Ensto Cubo S 175 x 250 x 150 mm



Grey cover	Transparent cover	Description
SPCP182515G	SPCP182515T	Plain sides, polycarbonate
SABP182515G	SABP182515T	Plain sides, ABS
SPCM182515G	SPCM182515T	4 x M12/20 + 4 x M16/25 + 12 x M12/20, PC
SPCK182515G	SPCK182515T	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5, PC

Ensto Cubo D enclosures

IP 66/67

Sizes 53 x 55 x 36 to 230 x 300 x 111 mm



Ensto Cubo D enclosure in brief:

- Available with plain sides
- Dimensioned according to the European Norm enclosures
- Has modern design with faceted corners and cover plugs
- Includes fastening pods inside the cover
- Has slots in the base for printed circuit boards.

Contents of the product package:

- Enclosure base
- Cover
- Cover screws
- Mounting screws
- Cover plugs for cover screws

Customising services available for this product:

- Machining
- Prints
- Colour service
- Assembly of components

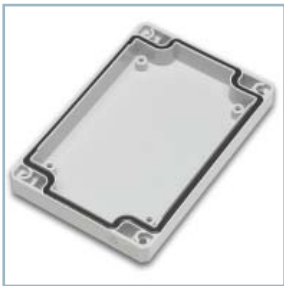
Further information on our customising services is available on page 12.

Conformity	
PC enclosures:	CE RoHS FI UL cUL PC GL
ABS enclosures:	CE RoHS FI PC MCM
Technical information	
Degree of protection:	IP 66/67
Impact resistance:	PC: IK 08 (-25 °C... +35 °C) ABS: IK 07 (+35 °C)/IK 06 (-25 °C)
Flammability rating:	PC: UL 746C 5V ABS: UL 94 HB
Material	
Base/cover:	Polycarbonate or ABS
Cover screws:	Stainless steel
Gasket:	PUR (polyurethane)
Knockout alternatives	
PC and ABS enclosures:	Plain sides
Standard colour	
Base:	Grey RAL 7035
Cover:	Grey RAL 7035 or transparent

Material based technical information is available on page 5.



Ensto Cubo D enclosures have a modern design with faceted corners and cover plugs.



Ensto Cubo D enclosures include fastening pods inside the cover.



The enclosure has unique slots in the base for printed circuit boards.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo D enclosures

Ensto Cubo D enclosures, polycarbonate

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
DPCP050504G		53	55	36	26	27.5	18	6418677150005
DPCP050704G		53	65	36	26	25.0	15	6418677150043
DPCP080806G		80	82	56	41	42.0	12	6418677150081
DPCP080809G		80	82	86	71	72.0	12	6418677150128
DPCP081206G		80	120	56	41	42.0	18	6418677150166
DPCP081209G		80	120	86	71	72.0	9	6418677150203
DPCP081606G		80	160	56	41	42.0	12	6418677150241
DPCP081609G		80	160	86	71	72.0	12	6418677150289
DPCP121206G		120	122	56	41	42.0	12	6418677150326
DPCP121209G		120	122	86	71	72.0	12	6418677150364
DPCP121609G		120	160	91	61	77.5	8	6418677150401
DPCP122009G		120	200	86	71	72.0	8	6418677150487
DPCP152008G		150	200	76	61	62.0	10	6418677150562
DPCP162409G		160	240	91	76	77.5	10	6418677150609
DPCP162412G		160	240	121	76	107.5	8	6418677150647
DPCP233009G		230	300	86	56	72.5	7	6418677150722
DPCP233011G		230	300	111	56	97.5	7	6418677150760
Transparent cover								
DPCP050504T		53	55	36	26	27.5	18	6418677150012
DPCP050704T		53	65	36	26	25.0	15	6418677150050
DPCP080806T		80	82	56	41	42.0	12	6418677150098
DPCP080809T		80	82	86	71	72.0	12	6418677150135
DPCP081206T		80	120	56	41	42.0	18	6418677150173
DPCP081209T		80	120	86	71	72.0	9	6418677150210
DPCP081606T		80	160	56	41	42.0	12	6418677150258
DPCP081609T		80	160	86	71	72.0	12	6418677150296
DPCP121206T		120	122	56	41	42.0	12	6418677150333
DPCP121209T		120	122	86	71	72.0	12	6418677150371
DPCP121609T		120	160	91	61	77.5	8	6418677150418
DPCP122009T		120	200	86	71	72.0	8	6418677150494
DPCP152008T		150	200	76	61	62.0	10	6418677150579
DPCP162409T		160	240	91	76	77.5	10	6418677150616
DPCP162412T		160	240	121	76	107.5	8	6418677150654
DPCP233009T		230	300	86	56	72.5	7	6418677150739
DPCP233011T		230	300	111	56	97.5	7	6418677150777



Ensto Cubo D enclosures, ABS

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
DABP050504G		53	55	36	26	27.5	18	6418677150029
DABP050704G		53	65	36	26	25.0	15	6418677150067
DABP080806G		80	82	56	41	42.0	12	6418677150104
DABP080809G		80	82	86	71	72.0	12	6418677150142
DABP081206G		80	120	56	41	42.0	18	6418677150180
DABP081209G		80	120	86	71	72.0	9	6418677150227
DABP081606G		80	160	56	41	42.0	12	6418677150265
DABP081609G		80	160	86	71	72.0	12	6418677150302
DABP121206G		120	122	56	41	42.0	12	6418677150340
DABP121209G		120	122	86	71	72.0	12	6418677150388
DABP121609G		120	160	91	61	77.5	8	6418677150425
DABP122009G		120	200	86	71	72.0	8	6418677150500
DABP152008G		150	200	76	61	62.0	10	6418677150586
DABP162409G		160	240	91	76	77.5	10	6418677150623
DABP162412G		160	240	121	76	107.5	8	6418677150661
DABP233009G		230	300	86	56	72.5	7	6418677150746
DABP233011G		230	300	111	56	97.5	7	6418677150784



Ensto Cubo D enclosures

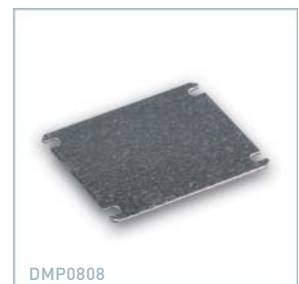
Ensto Cubo D enclosures, ABS

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Transparent cover								
DABP050504T		53	55	36	26	27.5	18	6418677150036
DABP050704T		53	65	36	26	25.0	15	6418677150074
DABP080806T		80	82	56	41	42.0	12	6418677150111
DABP080809T		80	82	86	71	72.0	12	6418677150159
DABP081206T		80	120	56	41	42.0	18	6418677150197
DABP081209T		80	120	86	71	72.0	9	6418677150234
DABP081606T		80	160	56	41	42.0	12	6418677150272
DABP081609T		80	160	86	71	72.0	12	6418677150319
DABP121206T		120	122	56	41	42.0	12	6418677150357
DABP121209T		120	122	86	71	72.0	12	6418677150395
DABP121609T		120	160	91	61	77.5	8	6418677150432
DABP122009T		120	200	86	71	72.0	8	6418677150517
DABP152008T		150	200	76	61	62.0	10	6418677150593
DABP162409T		160	240	91	76	77.5	10	6418677150630
DABP162412T		160	240	121	76	107.5	8	6418677150678
DABP233009T		230	300	86	56	72.5	7	6418677150753
DABP233011T		230	300	111	56	97.5	7	6418677150791



Mounting plates and DIN rails

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Mounting plates, galvanized steel				
DMP0808	For 80 x 82 mm enclosures	55 x 65 x 1.5	10	6418677150821
DMP0812	For 80 x 120 mm enclosures	65 x 93 x 1.5	10	6418677150838
DMP0816	For 80 x 160 mm enclosures	65 x 133 x 1.5	10	6418677150845
DMP1212	For 120 x 122 mm enclosures	95 x 105 x 1.5	10	6418677150852
DMP1216	For 120 x 160 mm enclosures	105 x 132 x 1.5	10	6418677150869
DMP1220	For 120 x 200 mm enclosures	105 x 172 x 1.5	10	6418677150876
DMP1520	For 150 x 200 mm enclosures	133 x 172 x 1.5	10	6418677150890
DMP1624	For 160 x 240 mm enclosures	145 x 213 x 1.5	10	6418677150906
DMP2330	For 230 x 300 mm enclosures	210 x 285 x 1.5	10	6418677150920
DIN rails 15 mm, DIN 46277/3, galvanized steel				
DR15016.4	For 53 x 55 mm enclosures	15 x 26	10	6418677150937
DR15038.4	For 53 x 63 mm enclosures	15 x 48	10	6418677150944
DR15058.4	For 80 x 82 mm enclosures	15 x 68	10	6418677150951
DR15096.4	For 80 x 120 mm and 120 x 122 mm enclosures	15 x 106	10	6418677150975
DR15136.4	For 80 x 160 mm and 120 x 160 mm enclosures	15 x 146	10	6418677150999
DIN rails 35 mm, DIN 46277/3, galvanized steel				
DR35058.4	For 80 x 82 mm enclosures	35 x 68	10	6418677150968
DR35096.4	For 80 x 120 mm and 120 x 122 mm enclosures	35 x 106	10	6418677150982
DR35136.4	For 80 x 160 mm and 120 x 160 mm enclosures	35 x 146	10	6418677151002
DR35160.4	For 150 x 200 mm enclosures	35 x 170	10	6418677151071
DR35176.4	For 120 x 200 mm enclosures	35 x 186	10	6418677151057
DR35215.4	For 160 x 240 mm enclosures	35 x 225	10	6418677156120
DR35275.4	For 230 x 300 mm enclosures	35 x 285	10	6418677151101



Ensto Cubo D enclosures

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
DSH11	Hinge pair	28 x 28	1	6418677156144
DFL1	Fastening lug, set of 4	33 x 21 x 9.5	1	6418677151125
DCP1	Cover plug		50	6418677151149
DLS1	Cover screw, short	3 x 18/10	48	6418677151163
DLSA1.02	Screw set, 2 short cover screws DLS1 and 2 mounting screws DMS1 and cover plugs DCP1	3 x 18/10	1	6438100070113
DLSA1.04	Screw set, 4 short cover screws DLS1 and 4 mounting screws DMS1 and cover plugs DCP1	3 x 18/10	1	6418677151293
DLSA1.06	Screw set, 6 short cover screws DLS1 and 4 mounting screws DMS1 and cover plugs DCP1	3 x 50/10	1	6418677151309
DLS2	Cover screw, long, for 162412 and 233011	3 x 50/10	1	6418677151279
DLSA2.06	Screw set, 6 long cover screws DLS2 and 4 mounting screws DMS1	3 x 50/10	24	6438100087692
DLS3	Cover screw, TORX TX20	3 x 18/10	48	6418677151286
DMS1	Mounting screw	3 x 7	100	6418677151156
PEM237.1	UL label, for DPCP	30 x 37	1	6438100081898
PEM166	UL label, for polycarbonate enclosure	38 x 64	1	6418677181719



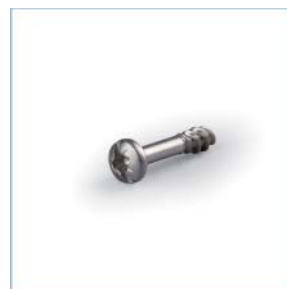
Hinge pair, DSH11.



Fastening lug set, DFL1.



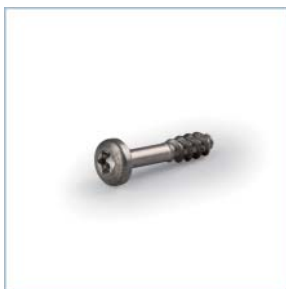
Cover plug, DCP1.



Cover screw, short, DLS1.



Cover screw, long, DLS2.



Cover screw, TORX TX20, DLS3.



Mounting screw, DMS1.



UL label, for DPCP, PEM237.1.

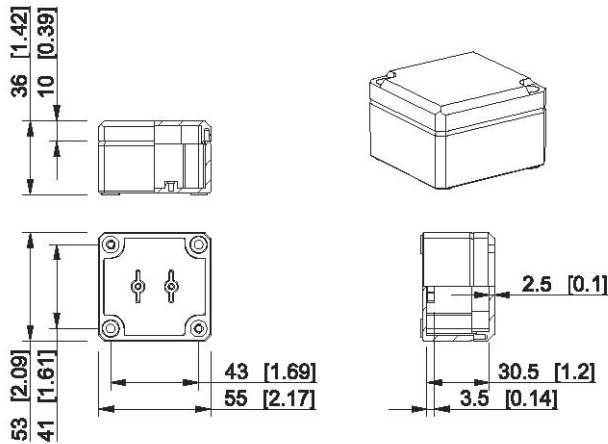


UL label, PEM166.

Technical drawings, Ensto Cubo D

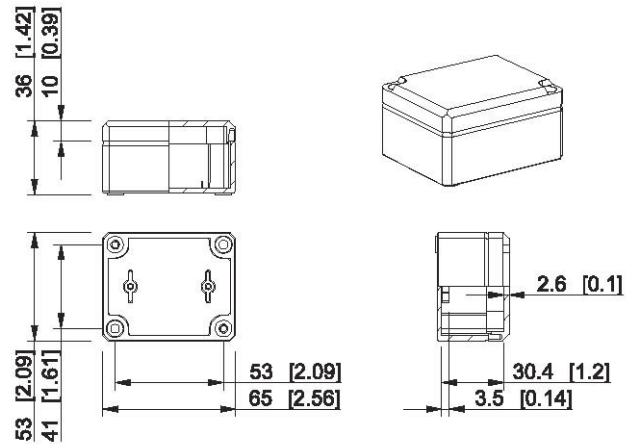
Measurements in mm [inch]

Ensto Cubo D 53 x 55 x 36 mm



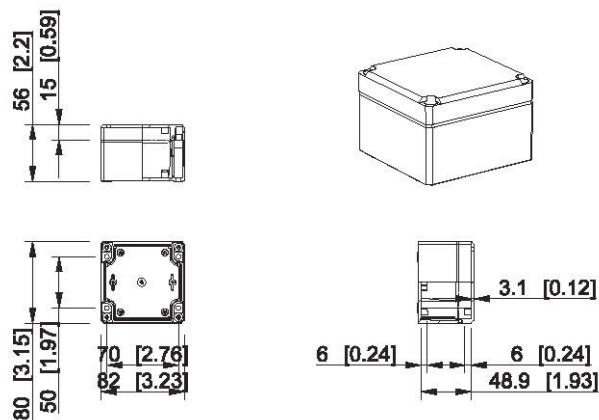
Grey cover	Transparent cover	Description
DPCP050504G	DPCP050504T	Plain sides, polycarbonate
DABP050504G	DABP050504T	Plain sides, ABS

Ensto Cubo D 53 x 65 x 36 mm



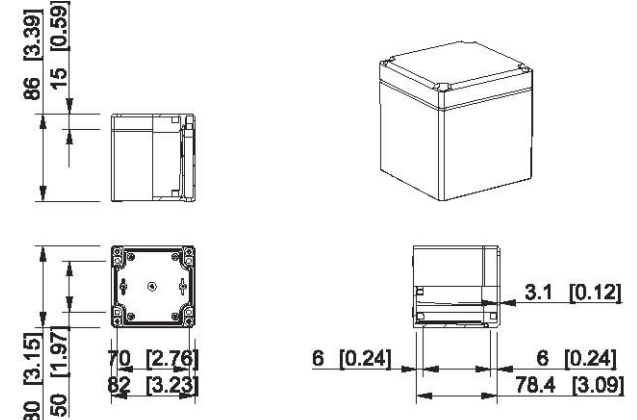
Grey cover	Transparent cover	Description
DPCP050704G	DPCP050704T	Plain sides, polycarbonate
DABP050704G	DABP050704T	Plain sides, ABS

Ensto Cubo D 80 x 82 x 56 mm



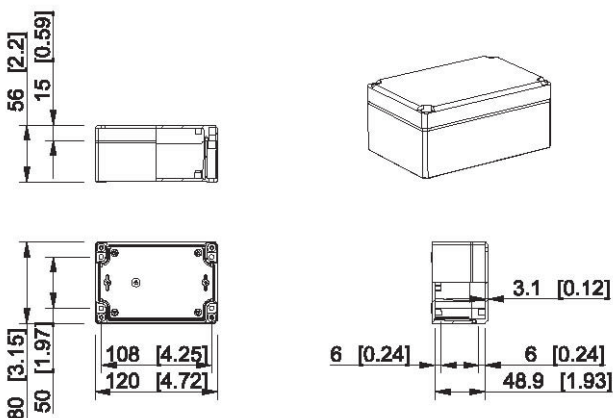
Grey cover	Transparent cover	Description
DPCP080806G	DPCP080806T	Plain sides, polycarbonate
DABP080806G	DABP080806T	Plain sides, ABS

Ensto Cubo D 80 x 82 x 86 mm



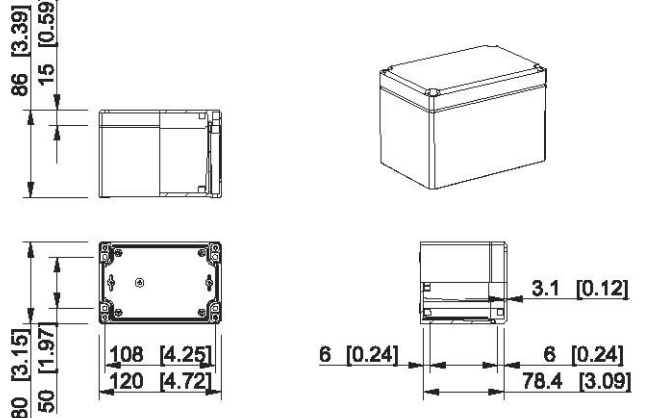
Grey cover	Transparent cover	Description
DPCP080809G	DPCP080809T	Plain sides, polycarbonate
DABP080809G	DABP080809T	Plain sides, ABS

Ensto Cubo D 80 x 120 x 56 mm



Grey cover	Transparent cover	Description
DPCP081206G	DPCP081206T	Plain sides, polycarbonate
DABP081206G	DABP081206T	Plain sides, ABS

Ensto Cubo D 80 x 120 x 86 mm

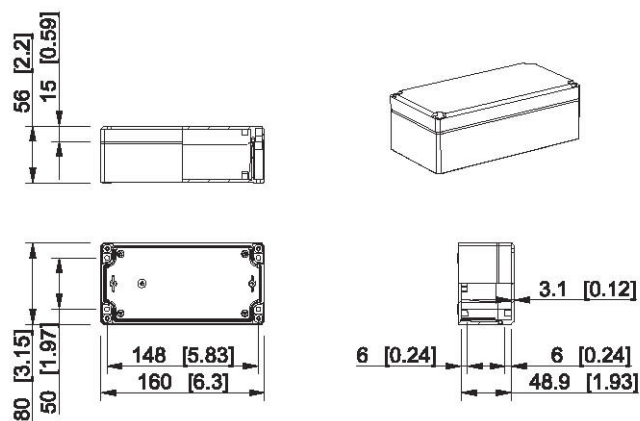


Grey cover	Transparent cover	Description
DPCP081209G	DPCP081209T	Plain sides, polycarbonate
DABP081209G	DABP081209T	Plain sides, ABS

Technical drawings, Ensto Cubo D

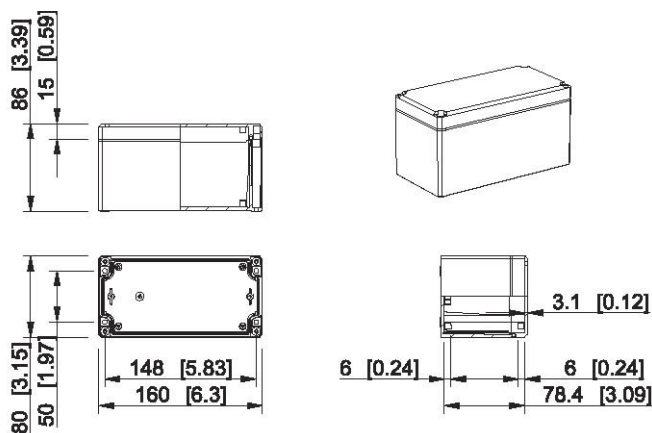
Measurements in mm [inch]

Ensto Cubo D 80 x 160 x 56 mm



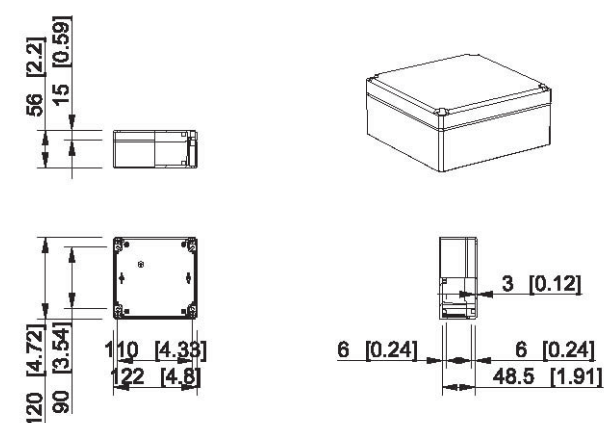
Grey cover	Transparent cover	Description
DPCP081606G	DPCP081606T	Plain sides, polycarbonate
DABP081606G	DABP081606T	Plain sides, ABS

Ensto Cubo D 80 x 160 x 86 mm



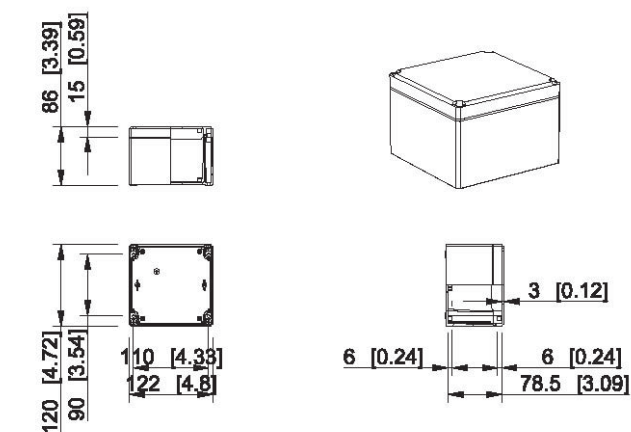
Grey cover	Transparent cover	Description
DPCP081609G	DPCP081609T	Plain sides, polycarbonate
DABP081609G	DABP081609T	Plain sides, ABS

Ensto Cubo D 120 x 122 x 56 mm



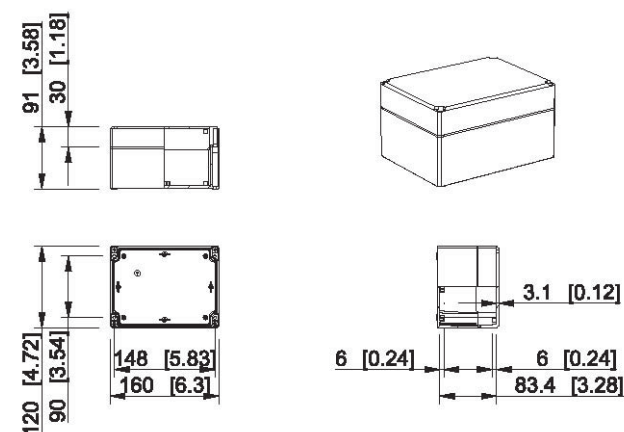
Grey cover	Transparent cover	Description
DPCP121206G	DPCP121206T	Plain sides, polycarbonate
DABP121206G	DABP121206T	Plain sides, ABS

Ensto Cubo D 120 x 122 x 86 mm



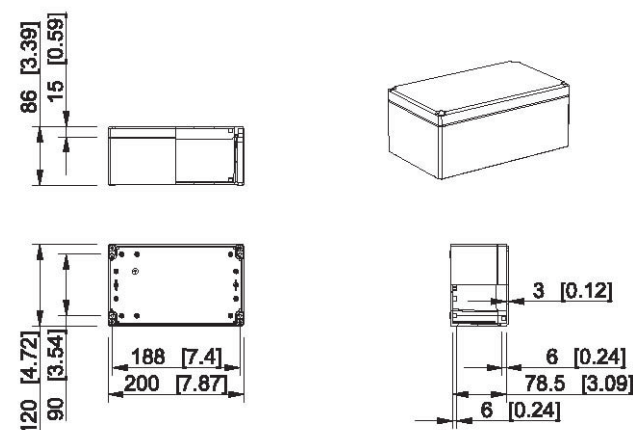
Grey cover	Transparent cover	Description
DPCP121209G	DPCP121209T	Plain sides, polycarbonate
DABP121209G	DABP121209T	Plain sides, ABS

Ensto Cubo D 120 x 160 x 91 mm



Grey cover	Transparent cover	Description
DPCP121609G	DPCP121609T	Plain sides, polycarbonate
DABP121609G	DABP121609T	Plain sides, ABS

Ensto Cubo D 120 x 200 x 86 mm

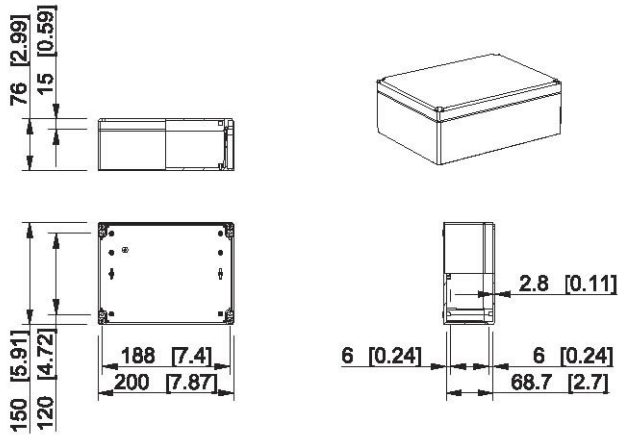


Grey cover	Transparent cover	Description
DPCP122009G	DPCP122009T	Plain sides, polycarbonate
DABP122009G	DABP122009T	Plain sides, ABS

Technical drawings, Ensto Cubo D

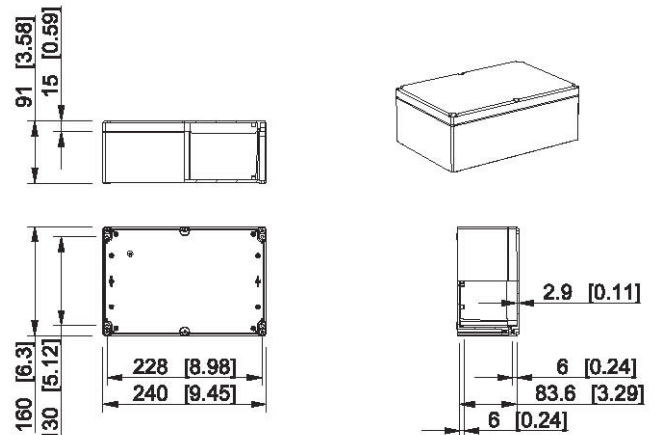
Measurements in mm [inch]

Ensto Cubo D 150 x 200 x 76 mm



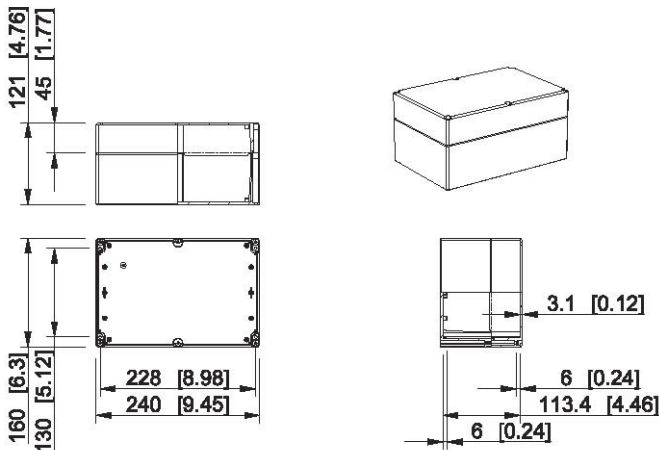
Grey cover	Transparent cover	Description
DPCP152008G	DPCP152008T	Plain sides, polycarbonate
DABP152008G	DABP152008T	Plain sides, ABS

Ensto Cubo D 160 x 240 x 91 mm



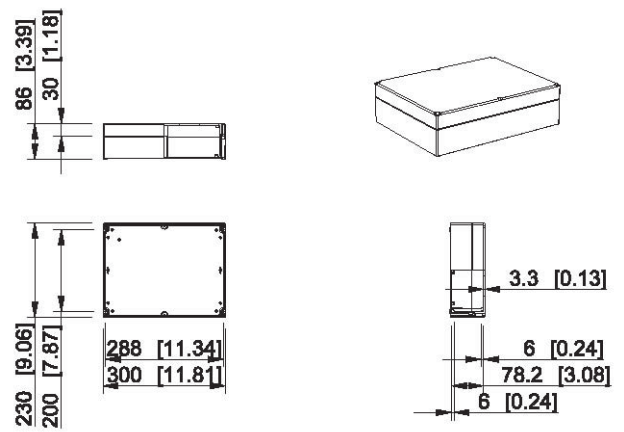
Grey cover	Transparent cover	Description
DPCP162409G	DPCP162409T	Plain sides, polycarbonate
DABP162409G	DABP162409T	Plain sides, ABS

Ensto Cubo D 160 x 240 x 121 mm



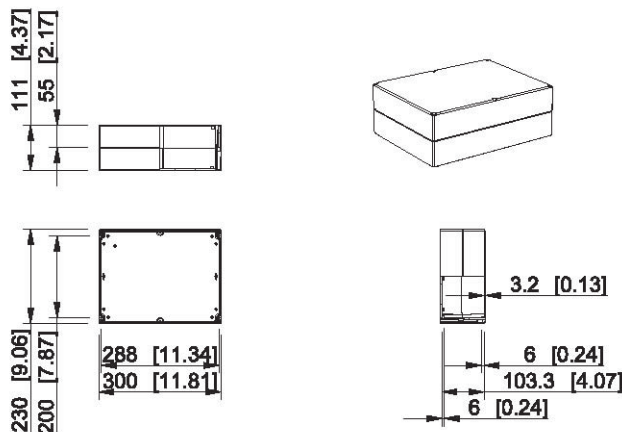
Grey cover	Transparent cover	Description
DPCP162412G	DPCP162412T	Plain sides, polycarbonate
DABP162412G	DABP162412T	Plain sides, ABS

Ensto Cubo D 230 x 300 x 86 mm



Grey cover	Transparent cover	Description
DPCP233009G	DPCP233009T	Plain sides, polycarbonate
DABP233009G	DABP233009T	Plain sides, ABS

Ensto Cubo D 230 x 300 x 111 mm



Grey cover	Transparent cover	Description
DPCP233011G	DPCP233011T	Plain sides, polycarbonate
DABP233011G	DABP233011T	Plain sides, ABS

This box is intentionally left empty.

Ensto Cubo 0 enclosures IP 66/67

Sizes 200 x 200 x 132 to 400 x 600 x 187 mm



Ensto Cubo 0 enclosure in brief:

- Available with plain sides or with metric knockouts
- Available in 7 base sizes, one base depth and one cover height
- A 55 mm deep extension frame available for alternative depths in all sizes. Several extension frames can be used on top of each other in one enclosure.
- Cover and cover screws equipped with sealing holes
- Cover can also be mounted onto the back of the base
- Wide range of accessories available.

Contents of the product package:

A 132 mm deep standard enclosure includes:

- Enclosure base
- Cover
- Cover screws
- Mounting screws

A 187 mm deep standard enclosure includes:

- Enclosure base
- Cover
- Extension frame
- Cover screws
- Mounting screws
- Screws for the extension frame

Customising services available for this product:

- Machining
- Prints
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Conformity

PC enclosures:       

ABS enclosures:     

Technical information

Degree of protection: IP 66/67
Impact resistance: PC: IK 08 (-25 °C... +35 °C)
ABS: IK 08 (+35 °C)/IK 07 (-25 °C)
Flammability rating: PC: UL 746C 5V
ABS: UL 94 HB

Material

Base: ABS or fibreglass reinforced polycarbonate
Cover: ABS or polycarbonate
Cover screws: Fibreglass reinforced polyamide
Gasket: PUR (polyurethane)

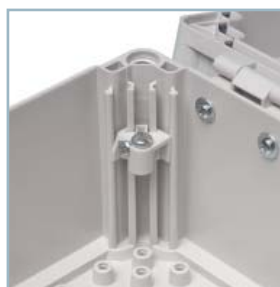
Knockout alternatives

PC enclosures: Plain sides, metric knockouts
ABS enclosures: Plain sides

Standard colour

Base: Grey RAL 7035
Cover: Grey RAL 7035 or transparent

Material based technical information is available on page 5.



Adjustable elevators are available for the base corner slots allowing the mounting of plates and panels at any height.



It is possible to mount the cover onto the back of the base of the Ensto Cubo 0 enclosure.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo O enclosures

Ensto Cubo O enclosures with plain sides, polycarbonate

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
OPCP202013G		200	200	132	102	115	1	6418677184413
OPCP203013G		200	300	132	102	115	1	6418677184420
OPCP204013G		200	400	132	102	115	1	6418677184437
OPCP303013G		300	300	132	102	115	1	6418677184444
OPCP304013G		300	400	132	102	115	1	6418677184451
OPCP306013G		300	600	132	102	115	1	6418677184468
OPCP406013G		400	600	132	102	115	1	6418677184475
OPCP202018G	Incl. extension frame	200	200	187	102 + 55	170	1	6418677184628
OPCP203018G	Incl. extension frame	200	300	187	102 + 55	170	1	6418677184635
OPCP204018G	Incl. extension frame	200	400	187	102 + 55	170	1	6418677184642
OPCP303018G	Incl. extension frame	300	300	187	102 + 55	170	1	6418677184659
OPCP304018G	Incl. extension frame	300	400	187	102 + 55	170	1	6418677184666
OPCP306018G	Incl. extension frame	300	600	187	102 + 55	170	1	6418677184673
OPCP406018G	Incl. extension frame	400	600	187	102 + 55	170	1	6418677184680
Transparent cover								
OPCP202013T		200	200	132	102	115	1	6418677184345
OPCP203013T		200	300	132	102	115	1	6418677184352
OPCP204013T		200	400	132	102	115	1	6418677184369
OPCP303013T		300	300	132	102	115	1	6418677184376
OPCP304013T		300	400	132	102	115	1	6418677184383
OPCP306013T		300	600	132	102	115	1	6418677184390
OPCP406013T		400	600	132	102	115	1	6418677184406
OPCP202018T	Incl. extension frame	200	200	187	102 + 55	170	1	6418677184697
OPCP203018T	Incl. extension frame	200	300	187	102 + 55	170	1	6418677184703
OPCP204018T	Incl. extension frame	200	400	187	102 + 55	170	1	6418677184710
OPCP303018T	Incl. extension frame	300	300	187	102 + 55	170	1	6418677184727
OPCP304018T	Incl. extension frame	300	400	187	102 + 55	170	1	6418677184734
OPCP306018T	Incl. extension frame	300	600	187	102 + 55	170	1	6418677184741
OPCP406018T	Incl. extension frame	400	600	187	102 + 55	170	1	6418677184758



Ensto Cubo O enclosures with plain sides, ABS

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
OABP202013G		200	200	132	102	115	1	6418677184550
OABP203013G		200	300	132	102	115	1	6418677184567
OABP204013G		200	400	132	102	115	1	6418677184574
OABP303013G		300	300	132	102	115	1	6418677184581
OABP304013G		300	400	132	102	115	1	6418677184598
OABP306013G		300	600	132	102	115	1	6418677184604
OABP406013G		400	600	132	102	115	1	6418677184611
OABP202018G	Incl. extension frame	200	200	187	102 + 55	170	1	6418677184765
OABP203018G	Incl. extension frame	200	300	187	102 + 55	170	1	6418677184772
OABP204018G	Incl. extension frame	200	400	187	102 + 55	170	1	6418677184789
OABP303018G	Incl. extension frame	300	300	187	102 + 55	170	1	6418677184796
OABP304018G	Incl. extension frame	300	400	187	102 + 55	170	1	6418677184802
OABP306018G	Incl. extension frame	300	600	187	102 + 55	170	1	6418677184819
OABP406018G	Incl. extension frame	400	600	187	102 + 55	170	1	6418677184826
Transparent cover								
OABP202013T		200	200	132	102	115	1	6418677184482
OABP203013T		200	300	132	102	115	1	6418677184499
OABP204013T		200	400	132	102	115	1	6418677184505
OABP303013T		300	300	132	102	115	1	6418677184512
OABP304013T		300	400	132	102	115	1	6418677184529
OABP306013T		300	600	132	102	115	1	6418677184536
OABP406013T		400	600	132	102	115	1	6418677184543
OABP202018T	Incl. extension frame	200	200	187	102 + 55	170	1	6418677184833
OABP203018T	Incl. extension frame	200	300	187	102 + 55	170	1	6418677184840
OABP204018T	Incl. extension frame	200	400	187	102 + 55	170	1	6418677184857
OABP303018T	Incl. extension frame	300	300	187	102 + 55	170	1	6418677184864
OABP304018T	Incl. extension frame	300	400	187	102 + 55	170	1	6418677184871
OABP306018T	Incl. extension frame	300	600	187	102 + 55	170	1	6418677184888
OABP406018T	Incl. extension frame	400	600	187	102 + 55	170	1	6418677184895



Ensto Cubo O enclosures

Ensto Cubo O enclosures with metric knockouts, polycarbonate

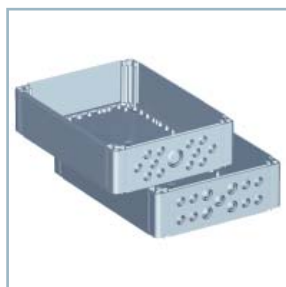
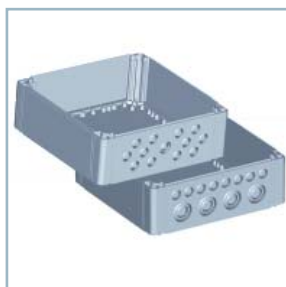
Product code	Knockouts	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
OPCM303013G	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40	300	300	132	102	115	1	6418677157899
OPCM304013G	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40	300	400	132	102	115	1	6418677157905
OPCM306013G	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40	300	600	132	102	115	1	6418677157912
OPCM303018G	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40, incl. extension frame	300	300	187	102 + 55	170	1	6418677157950
OPCM304018G	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, incl. extension frame	300	400	187	102 + 55	170	1	6418677157967
OPCM306018G	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, incl. extension frame	300	600	187	102 + 55	170	1	6418677157974
Transparent cover								
OPCM303013T	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40	300	300	132	102	115	1	6418677157929
OPCM304013T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40	300	400	132	102	115	1	6418677157936
OPCM306013T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40	300	600	132	102	115	1	6418677157943
OPCM303018T	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40, incl. extension frame	300	300	187	102 + 55	170	1	6418677157981
OPCM304018T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, incl. extension frame	300	400	187	102 + 55	170	1	6418677157998
OPCM306018T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, incl. extension frame	300	600	187	102 + 55	170	1	6418677158001



OPCM303013G



OPCM306018T



Picture on the left:
300 x 300 mm enclosures with metric knockouts as follows:
up: 12 x M20 + 1 x M16/25
down: 8 x M20 + 4 x M25/40

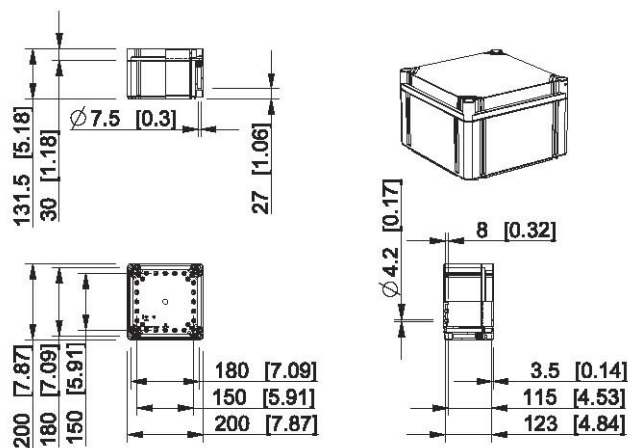
Picture on the right:
300 x 400/600 mm enclosures with metric knockouts as follows:
up: 12 x M12/20 + 1 x M32/40
down: 8 x M12/20 + 5 x M16/25

Accessories for Ensto Cubo O, C and W enclosures can be viewed on page 47.

Technical drawings, Ensto Cubo O

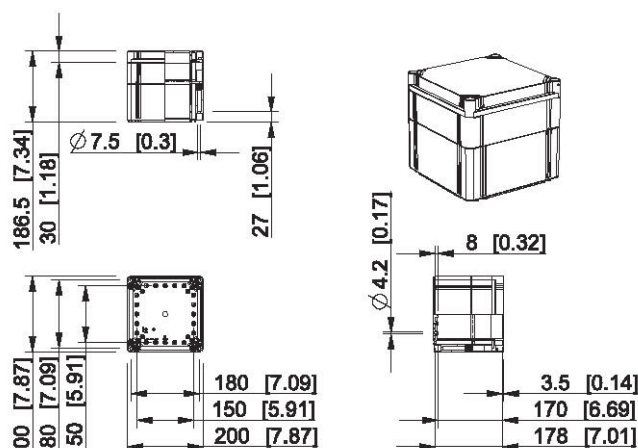
Measurements in mm [inch]

Ensto Cubo O 200 x 200 x 132 mm



Grey cover	Transparent cover	Description
OPCP202013G	OPCP202013T	Plain sides, polycarbonate
OABP202013G	OABP202013T	Plain sides, ABS

Ensto Cubo O 200 x 200 x 187 mm

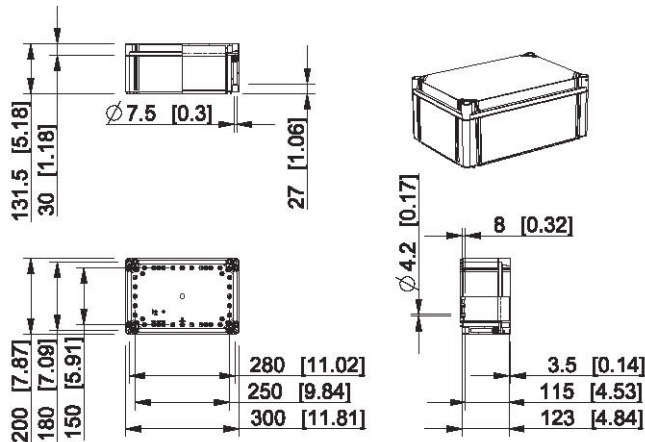


Grey cover	Transparent cover	Description
OPCP202018G	OPCP202018T	Plain sides, polycarbonate
OABP202018G	OABP202018T	Plain sides, ABS

Technical drawings, Ensto Cubo 0

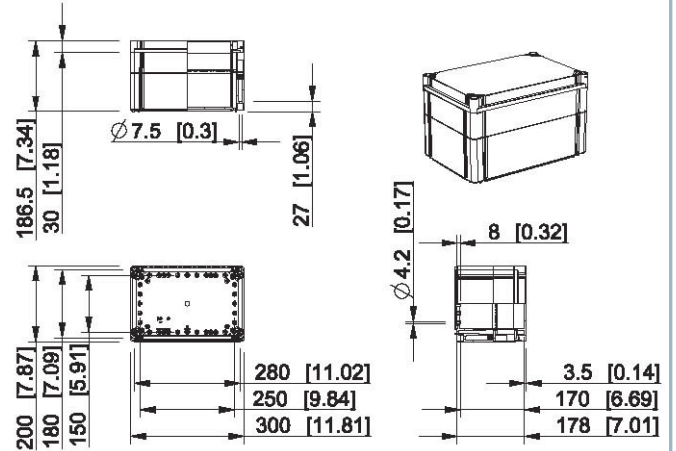
Measurements in mm [inch]

Ensto Cubo 0 200 x 300 x 132 mm



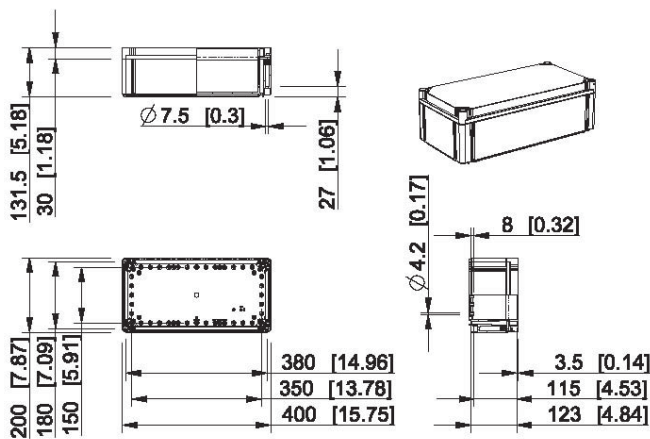
Grey cover	Transparent cover	Description
OPCP203013G	OPCP203013T	Plain sides, polycarbonate
OABP203013G	OABP203013T	Plain sides, ABS

Ensto Cubo 0 200 x 300 x 187 mm



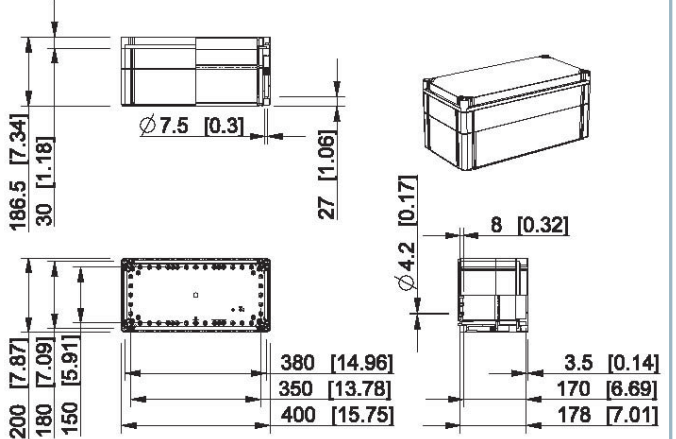
Grey cover	Transparent cover	Description
OPCP203018G	OPCP203018T	Plain sides, polycarbonate
OABP203018G	OABP203018T	Plain sides, ABS

Ensto Cubo 0 200 x 400 x 132 mm



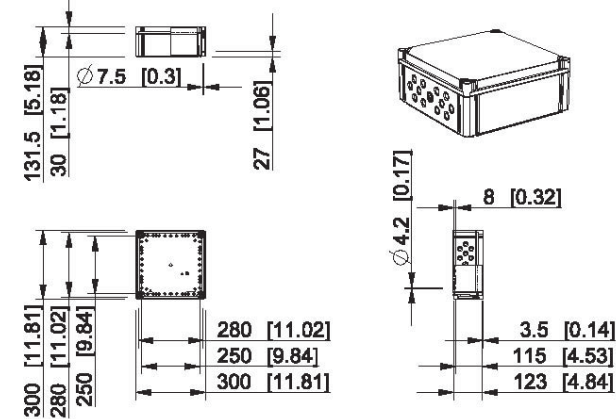
Grey cover	Transparent cover	Description
OPCP204013G	OPCP204013T	Plain sides, polycarbonate
OABP204013G	OABP204013T	Plain sides, ABS

Ensto Cubo 0 200 x 400 x 187 mm



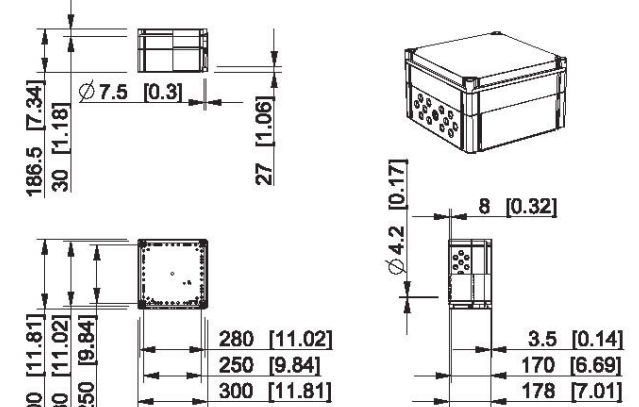
Grey cover	Transparent cover	Description
OPCP204018G	OPCP204018T	Plain sides, polycarbonate
OABP204018G	OABP204018T	Plain sides, ABS

Ensto Cubo 0 300 x 300 x 132 mm



Grey cover	Transparent cover	Description
OPCP303013G	OPCP303013T	Plain sides, polycarbonate
OABP303013G	OABP303013T	Plain sides, ABS
OPCM303013G	OPCM303013T	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40, PC

Ensto Cubo 0 300 x 300 x 187 mm

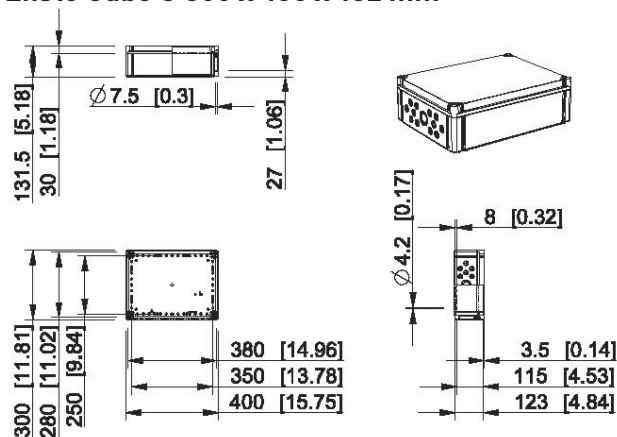


Grey cover	Transparent cover	Description
OPCP303018G	OPCP303018T	Plain sides, polycarbonate
OABP303018G	OABP303018T	Plain sides, ABS
OPCM303018G	OPCM303018T	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40, PC

Technical drawings, Ensto Cubo 0

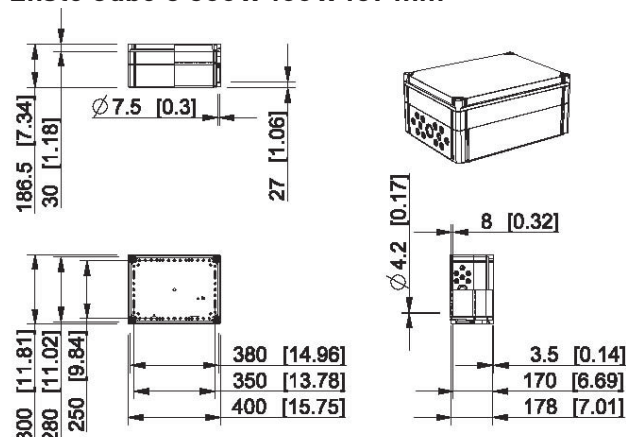
Measurements in mm [inch]

Ensto Cubo 0 300 x 400 x 132 mm



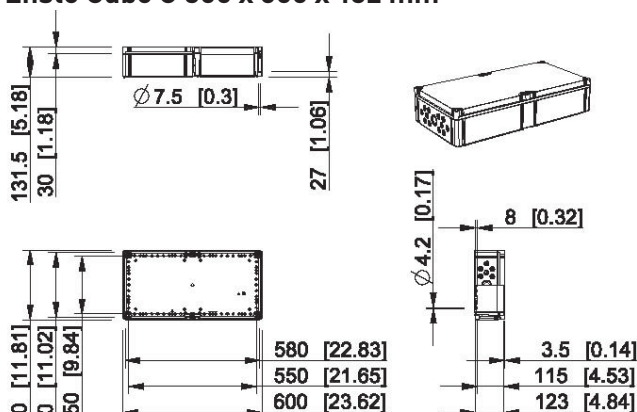
Grey cover	Transparent cover	Description
OPCP304013G	OPCP304013T	Plain sides, polycarbonate
OABP304013G	OABP304013T	Plain sides, ABS
OPCM304013G	OPCM304013T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, PC

Ensto Cubo 0 300 x 400 x 187 mm



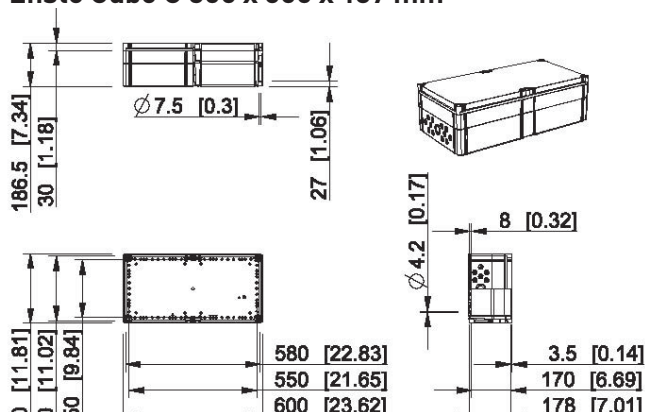
Grey cover	Transparent cover	Description
OPCP304018G	OPCP304018T	Plain sides, polycarbonate
OABP304018G	OABP304018T	Plain sides, ABS
OPCM304018G	OPCM304018T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, PC

Ensto Cubo 0 300 x 600 x 132 mm



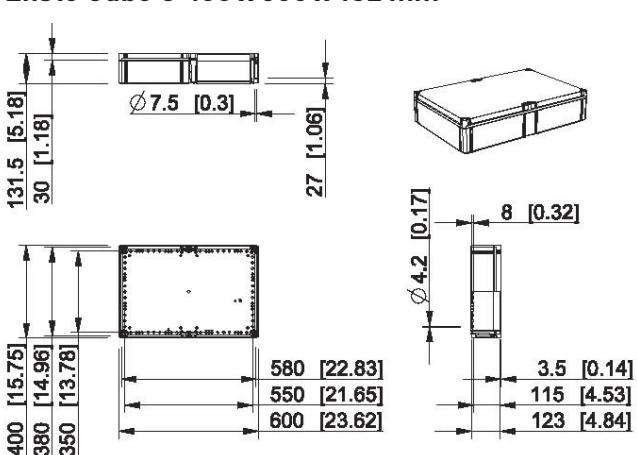
Grey cover	Transparent cover	Description
OPCP306013G	OPCP306013T	Plain sides, polycarbonate
OABP306013G	OABP306013T	Plain sides, ABS
OPCM306013G	OPCM306013T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, PC

Ensto Cubo 0 300 x 600 x 187 mm



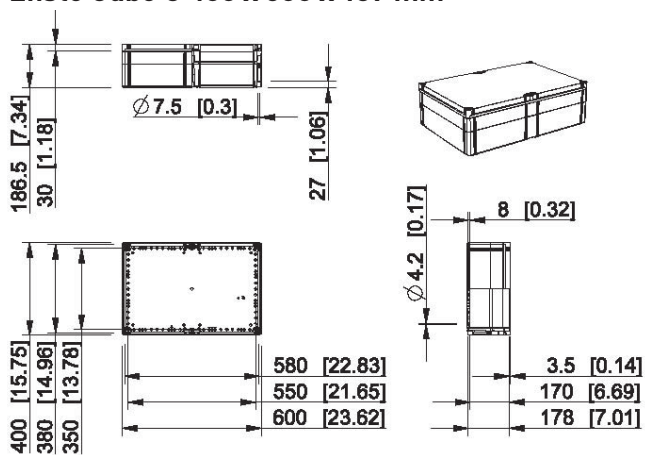
Grey cover	Transparent cover	Description
OPCP306018G	OPCP306018T	Plain sides, polycarbonate
OABP306018G	OABP306018T	Plain sides, ABS
OPCM306018G	OPCM306018T	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, PC

Ensto Cubo 0 400 x 600 x 132 mm



Grey cover	Transparent cover	Description
OPCP406013G	OPCP406013T	Plain sides, polycarbonate
OABP406013G	OABP406013T	Plain sides, ABS

Ensto Cubo 0 400 x 600 x 187 mm



Grey cover	Transparent cover	Description
OPCP406018G	OPCP406018T	Plain sides, polycarbonate
OABP406018G	OABP406018T	Plain sides, ABS

Ensto Cubo C enclosures

IP 66/67

Sizes 200 x 200 x 132 to 400 x 600 x 187 mm



Ensto Cubo C enclosure in brief:

- Available with flange knockouts
- Available in 7 base sizes, one base depth and one cover height
- A 55 mm deep extension frame available for alternative depths in all sizes. Several extension frames can be used on top of each other in one enclosure.
- Covers and cover screws equipped with sealing holes
- Cover can be mounted onto the back of the base
- Wide range of accessories available
- Based on the Ensto Cubo O enclosure series.

Contents of the product package:

A 132 mm deep standard enclosure includes:

- Enclosure base
- Cover
- Cover screws
- Mounting screws

A 187 mm deep standard enclosure includes:

- Enclosure base
- Cover
- Extension frame
- Cover screws
- Mounting screws
- Screws for the extension frame

Customising services available for this product:

- Machining
- Prints
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Conformity	
PC enclosures:	CE RoHS FI PC GL
Technical information	
Degree of protection:	IP 66/67
Impact resistance:	IK 08 [-25 °C... +35 °C]
Flammability rating:	UL 746C 5V
Material	
Base:	Fibreglass reinforced polycarbonate
Cover:	Polycarbonate
Cover screws:	Fibreglass reinforced polyamide
Gasket:	PUR (polyurethane)
Knockout alternatives	
PC enclosures:	Flange knockouts
Standard colour	
Base:	Grey RAL 7035
Cover:	Grey RAL 7035 or transparent

Material based technical information is available on page 5.



Adjustable elevators are available for the base corner slots allowing the mounting of plates and panels at any height.



It is possible to mount the cover onto the back of the base of the Ensto Cubo C enclosure.

Ensto Cubo C enclosures

Ensto Cubo C enclosures with flange knockouts, polycarbonate

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
CPCF202013G	4 x F1 knockout	200	200	132	102	115	1	6418677172120
CPCF203013G	2 x F1 knockout + 2 x F2 knockout	200	300	132	102	115	1	6418677172137
CPCF204013G	2 x F1 knockout + 2 x F2 knockout	200	400	132	102	115	1	6418677172144
CPCF303013G	4 x F2 knockout	300	300	132	102	115	1	6418677172151
CPCF304013G	4 x F2 knockout	300	400	132	102	115	1	6418677172168
CPCF306013G	6 x F2 knockout	300	600	132	102	115	1	6418677172175
CPCF406013G	6 x F2 knockout	400	600	132	102	115	1	6418677172182
CPCF202018G	4 x F1 knockout *	200	200	187	102 + 55	170	1	6418677182167
CPCF203018G	2 x F1 knockout + 2 x F2 knockout *	200	300	187	102 + 55	170	1	6418677182174
CPCF204018G	2 x F1 knockout + 2 x F2 knockout *	200	400	187	102 + 55	170	1	6418677182181
CPCF303018G	4 x F2 knockout *	300	300	187	102 + 55	170	1	6418677182198
CPCF304018G	4 x F2 knockout *	300	400	187	102 + 55	170	1	6418677182204
CPCF306018G	6 x F2 knockout *	300	600	187	102 + 55	170	1	6418677182211
CPCF406018G	6 x F2 knockout *	400	600	187	102 + 55	170	1	6418677182228
Transparent cover								
CPCF202013T	4 x F1 knockout	200	200	132	102	115	1	6418677172199
CPCF203013T	2 x F1 knockout + 2 x F2 knockout	200	300	132	102	115	1	6418677172205
CPCF204013T	2 x F1 knockout + 2 x F2 knockout	200	400	132	102	115	1	6418677172212
CPCF303013T	4 x F2 knockout	300	300	132	102	115	1	6418677172229
CPCF304013T	4 x F2 knockout	300	400	132	102	115	1	6418677172236
CPCF306013T	6 x F2 knockout	300	600	132	102	115	1	6418677172243
CPCF406013T	6 x F2 knockout	400	600	132	102	115	1	6418677172250
CPCF202018T	4 x F1 knockout *	200	200	187	102 + 55	170	1	6418677182235
CPCF203018T	2 x F1 knockout + 2 x F2 knockout *	200	300	187	102 + 55	170	1	6418677182242
CPCF204018T	2 x F1 knockout + 2 x F2 knockout *	200	400	187	102 + 55	170	1	6418677182259
CPCF303018T	4 x F2 knockout *	300	300	187	102 + 55	170	1	6418677182266
CPCF304018T	4 x F2 knockout *	300	400	187	102 + 55	170	1	6418677182273
CPCF306018T	6 x F2 knockout *	300	600	187	102 + 55	170	1	6418677182280
CPCF406018T	6 x F2 knockout *	400	600	187	102 + 55	170	1	6418677182297

* Incl. extension frame



CPCF202013G



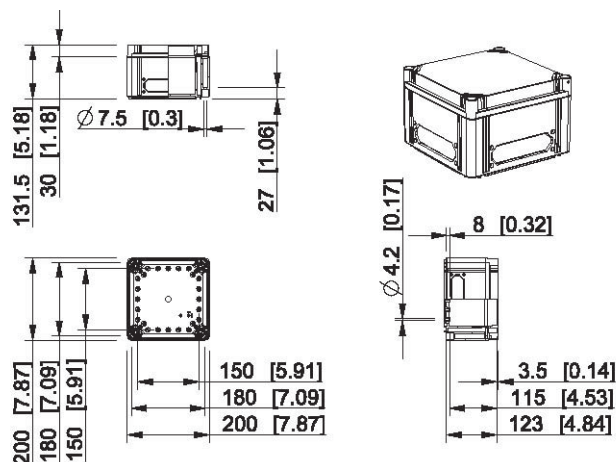
CPCF203018T

Accessories for Ensto Cubo O, C and W enclosures can be viewed on page 47.

Technical drawings, Ensto Cubo C

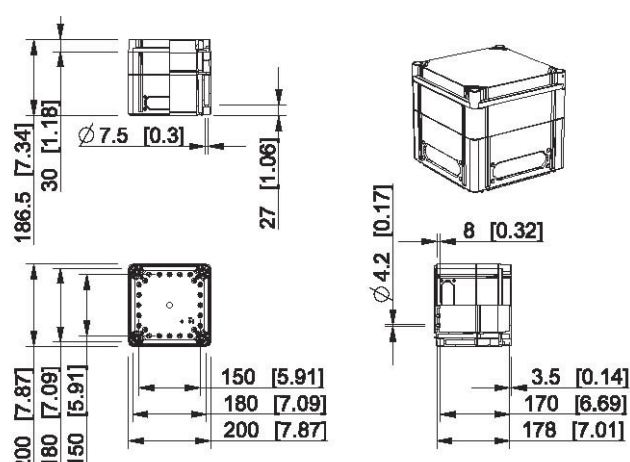
Measurements in mm [inch]

Ensto Cubo C 200 x 200 x 132 mm



Grey cover	Transparent cover	Description
CPCF202013G	CPCF202013T	4 x F1 knockout, PC

Ensto Cubo C 200 x 200 x 187 mm

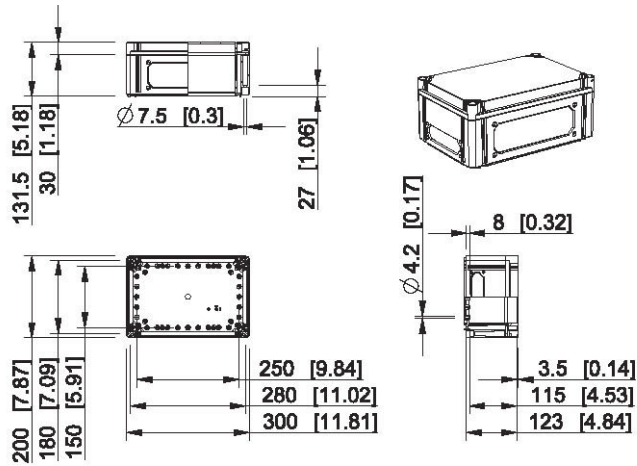


Grey cover	Transparent cover	Description
CPCF202018G	CPCF202018T	4 x F1 knockout, PC

Technical drawings, Ensto Cubo C

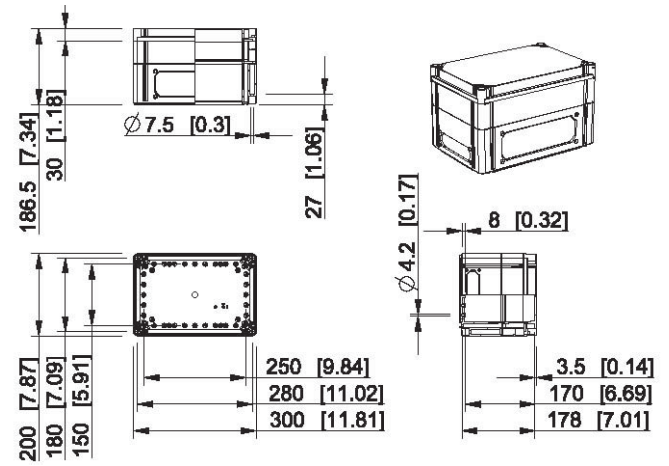
Measurements in mm [inch]

Ensto Cubo C 200 x 300 x 132 mm



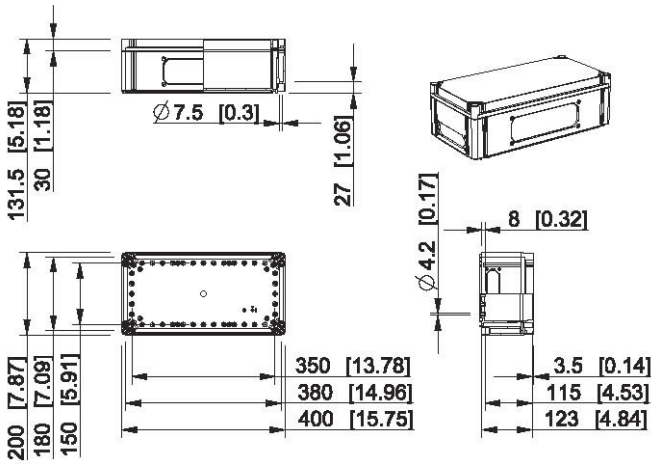
Grey cover	Transparent cover	Description
CPCF203013G	CPCF203013T	2 x F1 knockout + 2 x F2 knockout, PC

Ensto Cubo C 200 x 300 x 187 mm



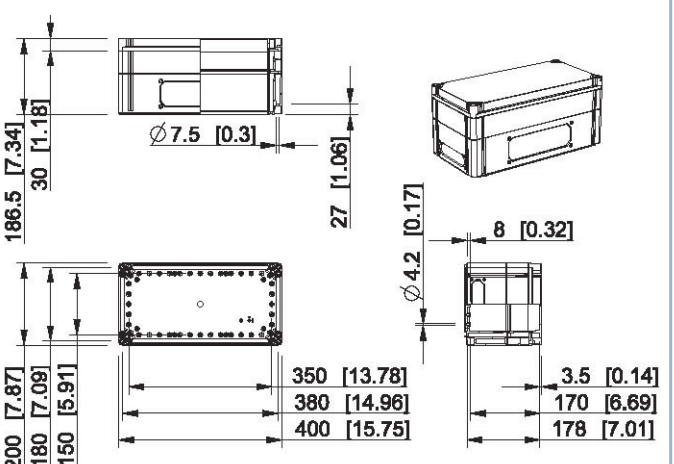
Grey cover	Transparent cover	Description
CPCF203018G	CPCF203018T	2 x F1 knockout + 2 x F2 knockout, PC

Ensto Cubo C 200 x 400 x 132 mm



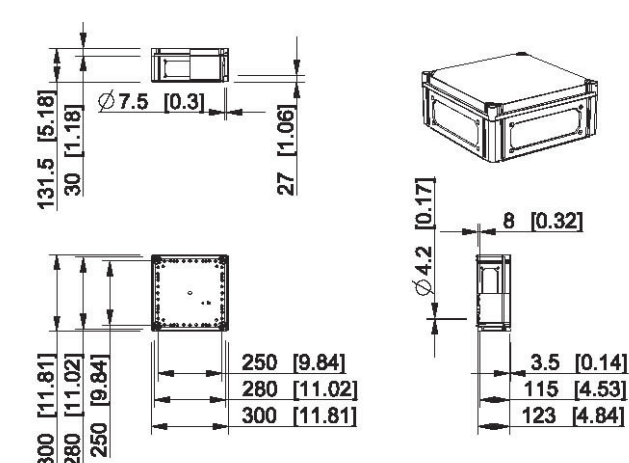
Grey cover	Transparent cover	Description
CPCF204013G	CPCF204013T	2 x F1 knockout + 2 x F2 knockout, PC

Ensto Cubo C 200 x 400 x 187 mm



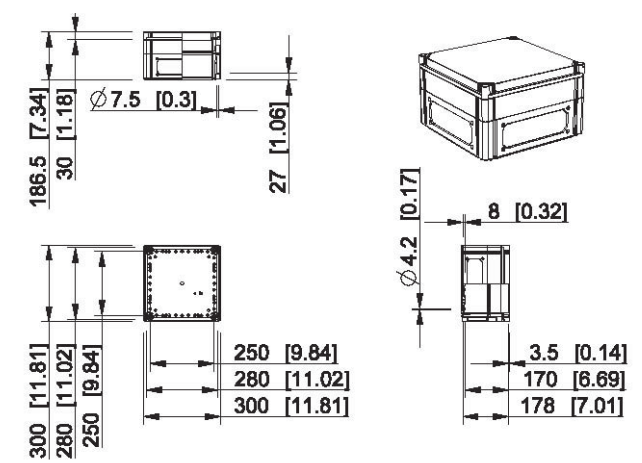
Grey cover	Transparent cover	Description
CPCF204018G	CPCF204018T	2 x F1 knockout + 2 x F2 knockout, PC

Ensto Cubo C 300 x 300 x 132 mm



Grey cover	Transparent cover	Description
CPCF303013G	CPCF303013T	4 x F2 knockout, PC

Ensto Cubo C 300 x 300 x 187 mm

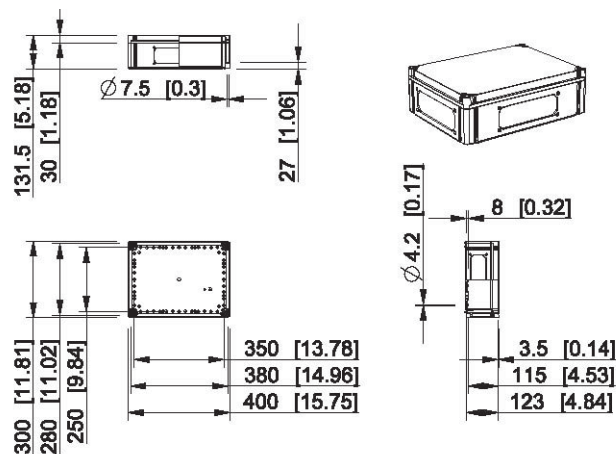


Grey cover	Transparent cover	Description
CPCF303018G	CPCF303018T	4 x F2 knockout, PC

Technical drawings, Ensto Cubo C

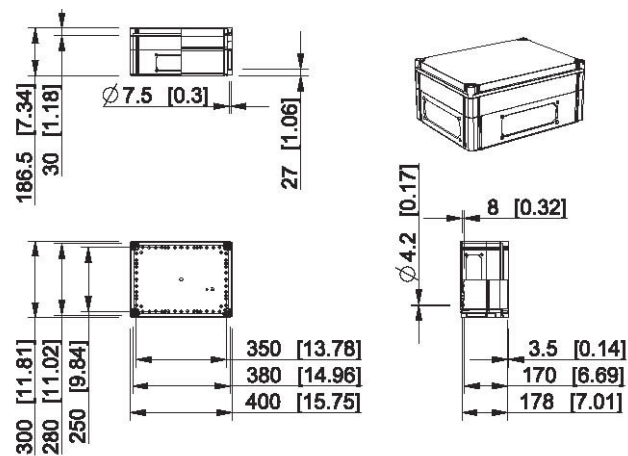
Measurements in mm [inch]

Ensto Cubo C 300 x 400 x 132 mm



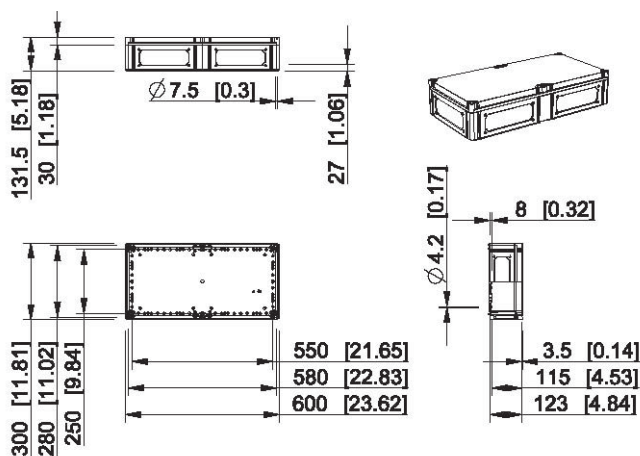
Grey cover CPCF304013G
Transparent cover CPCF304013T
Description 4 x F2 knockout, PC

Ensto Cubo C 300 x 400 x 187 mm



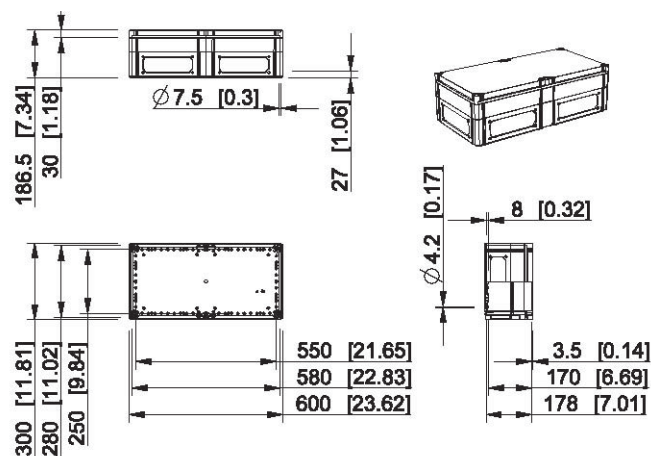
Grey cover CPCF304018G
Transparent cover CPCF304018T
Description 4 x F2 knockout, PC

Ensto Cubo C 300 x 600 x 132 mm



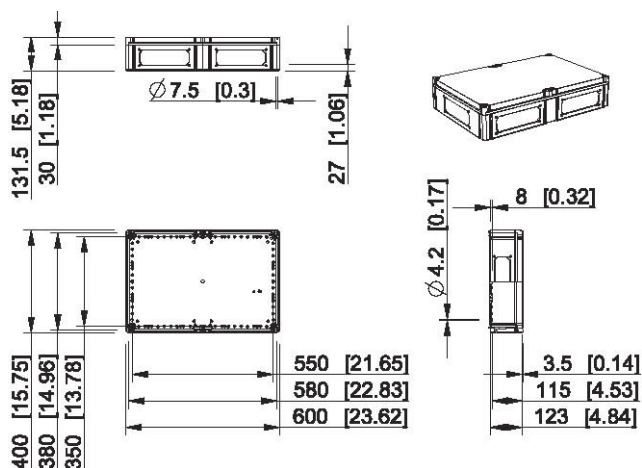
Grey cover CPCF306013G
Transparent cover CPCF306013T
Description 6 x F2 knockout, PC

Ensto Cubo C 300 x 600 x 187 mm



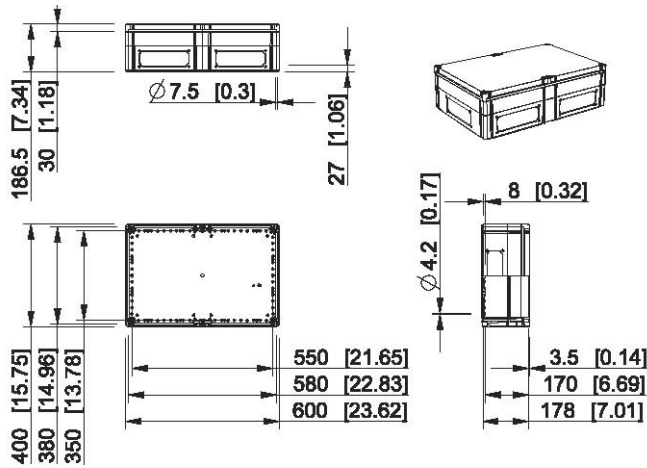
Grey cover CPCF306018G
Transparent cover CPCF306018T
Description 6 x F2 knockout, PC

Ensto Cubo C 400 x 600 x 132 mm



Grey cover CPCF406013G
Transparent cover CPCF406013T
Description 6 x F2 knockout, PC

Ensto Cubo C 400 x 600 x 187 mm



Grey cover CPCF406018G
Transparent cover CPCF406018T
Description 6 x F2 knockout, PC

Ensto Cubo W wall cabinets

IP 66/67

Sizes 200 x 200 x 132 to 400 x 600 x 187 mm



Ensto Cubo W wall cabinets in brief:

- Available with plain sides
- Has pre-assembled hinges and quick release latches as standard
- Available in 7 base sizes, one base depth and one cover height
- A 55 mm deep extension frame available for alternative depths in all sizes
- Based on the Ensto Cubo O enclosure series
- Is easily locked with a padlock, without any other accessories
- Wide range of accessories available.

Contents of the product package:

A 132 mm deep standard enclosure includes:

- Enclosure base
- Cover
- Latches and hinges
- Mounting screws

A 187 mm deep standard enclosure includes:

- Enclosure base
- Cover
- Extension frame
- Latches and hinges
- Mounting screws
- Screws for the extension frame

Customising services available for this product:

- Machining
- Prints
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Conformity	
PC enclosures:	   
Technical information	
Degree of protection:	IP 66/67
Impact resistance:	IK 08 (-25 °C... +35 °C)
Flammability rating:	UL 746C 5V
Material	
Base:	Fibreglass reinforced polycarbonate
Cover:	Polycarbonate
Cover screws:	Fibreglass reinforced polyamide
Gasket:	PUR (polyurethane)
Knockout alternatives	
PC enclosures:	Plain sides
Standard colour	
Base:	Grey RAL 7035
Cover:	Grey RAL 7035 or transparent

Material based technical information is available on page 5.



Adjustable elevators are available for the base corner slots allowing the mounting of plates and panels at any height.



The enclosure is easily locked with a padlock, without any other accessories.

Ensto Cubo W wall cabinets

Ensto Cubo W wall cabinets, plain sides, polycarbonate

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
Grey cover								
WPCP202013G		200	200	132	102	115	1	6418677174308
WPCP203013G		200	300	132	102	115	1	6418677174315
WPCP204013G		200	400	132	102	115	1	6418677174322
WPCP303013G		300	300	132	102	115	1	6418677174339
WPCP304013G		300	400	132	102	115	1	6418677174346
WPCP306013G		300	600	132	102	115	1	6418677174353
WPCP406013G		400	600	132	102	115	1	6418677174377
WPCP202018G	Incl. extension frame	200	200	187	102 + 55	170	1	6418677174469
WPCP203018G	Incl. extension frame	200	300	187	102 + 55	170	1	6418677174476
WPCP204018G	Incl. extension frame	200	400	187	102 + 55	170	1	6418677174483
WPCP303018G	Incl. extension frame	300	300	187	102 + 55	170	1	6418677174490
WPCP304018G	Incl. extension frame	300	400	187	102 + 55	170	1	6418677174506
WPCP306018G	Incl. extension frame	300	600	187	102 + 55	170	1	6418677174513
WPCP406018G	Incl. extension frame	400	600	187	102 + 55	170	1	6418677174537
Transparent cover								
WPCP202013T		200	200	132	102	115	1	6418677174384
WPCP203013T		200	300	132	102	115	1	6418677174391
WPCP204013T		200	400	132	102	115	1	6418677174407
WPCP303013T		300	300	132	102	115	1	6418677174414
WPCP304013T		300	400	132	102	115	1	6418677174421
WPCP306013T		300	600	132	102	115	1	6418677174438
WPCP406013T		400	600	132	102	115	1	6418677174452
WPCP202018T	Incl. extension frame	200	200	187	102 + 55	170	1	6418677174544
WPCP203018T	Incl. extension frame	200	300	187	102 + 55	170	1	6418677174551
WPCP204018T	Incl. extension frame	200	400	187	102 + 55	170	1	6418677174568
WPCP303018T	Incl. extension frame	300	300	187	102 + 55	170	1	6418677174575
WPCP304018T	Incl. extension frame	300	400	187	102 + 55	170	1	6418677174582
WPCP306018T	Incl. extension frame	300	600	187	102 + 55	170	1	6418677174599
WPCP406018T	Incl. extension frame	400	600	187	102 + 55	170	1	6418677174612

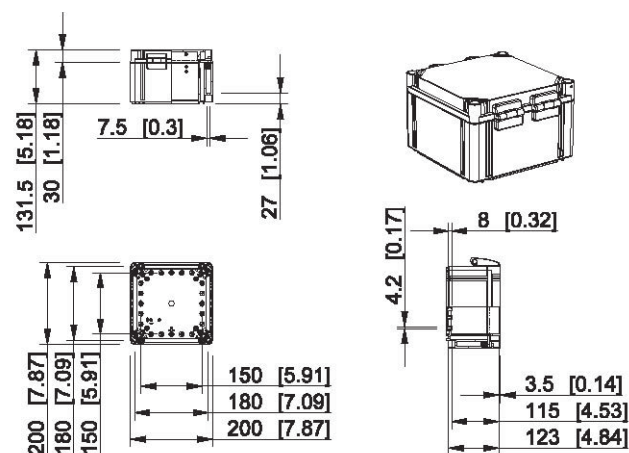


Accessories for Ensto Cubo O, C and W enclosures can be viewed on page 47.

Technical drawings, Ensto Cubo W

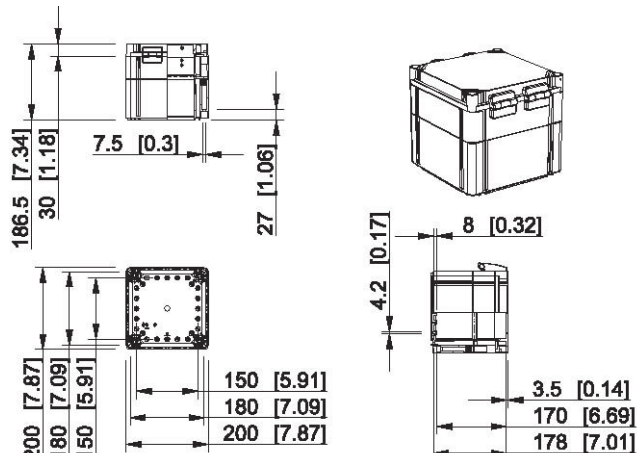
Measurements in mm [inch]

Ensto Cubo W 200 x 200 x 132 mm



Grey cover	Transparent cover	Description
WPCP202013G	WPCP202013T	Plain sides, polycarbonate

Ensto Cubo W 200 x 200 x 187 mm

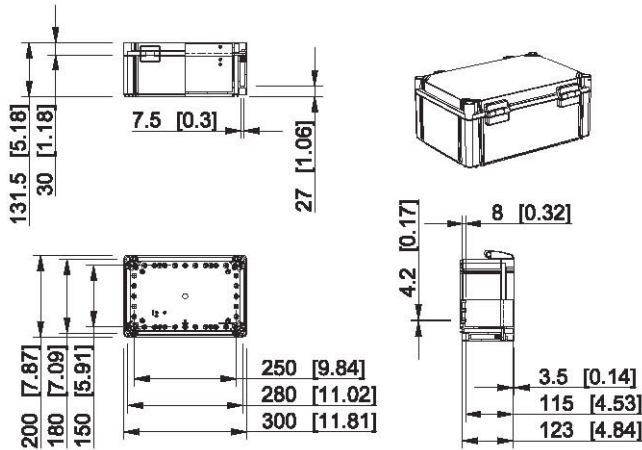


Grey cover	Transparent cover	Description
WPCP202018G	WPCP202018T	Plain sides, polycarbonate

Technical drawings, Ensto Cubo W

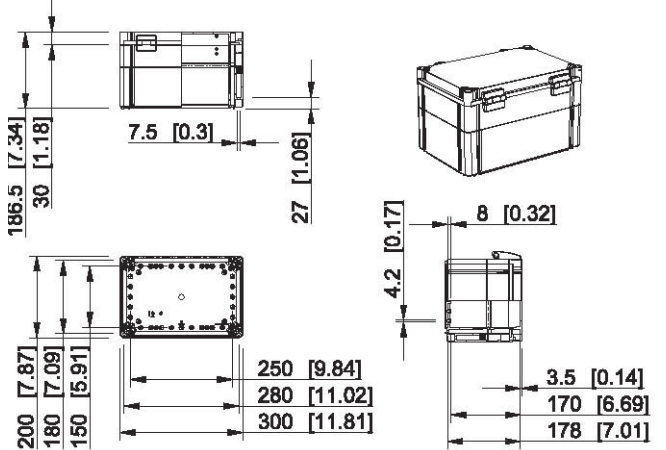
Measurements in mm [inch]

Ensto Cubo W 200 x 300 x 132 mm



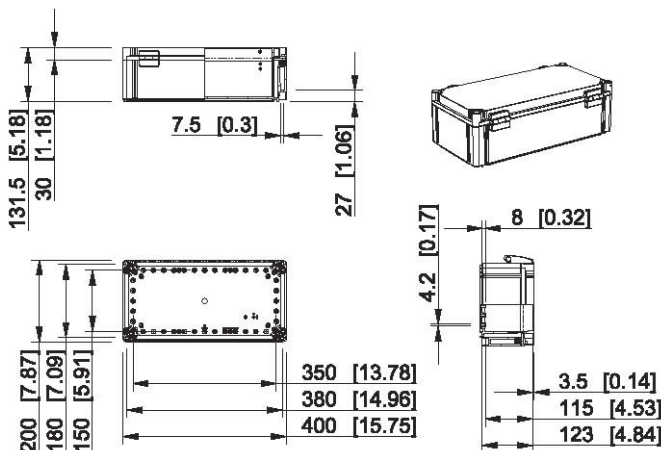
Grey cover	Transparent cover	Description
WPCP203013G	WPCP203013T	Plain sides, polycarbonate

Ensto Cubo W 200 x 300 x 187 mm



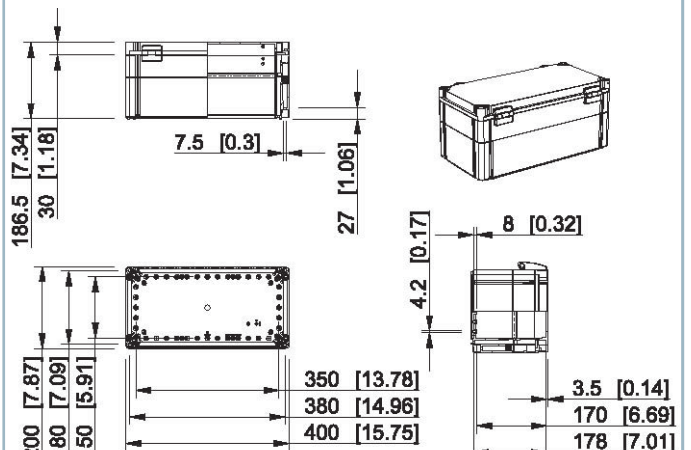
Grey cover	Transparent cover	Description
WPCP203018G	WPCP203018T	Plain sides, polycarbonate

Ensto Cubo W 200 x 400 x 132 mm



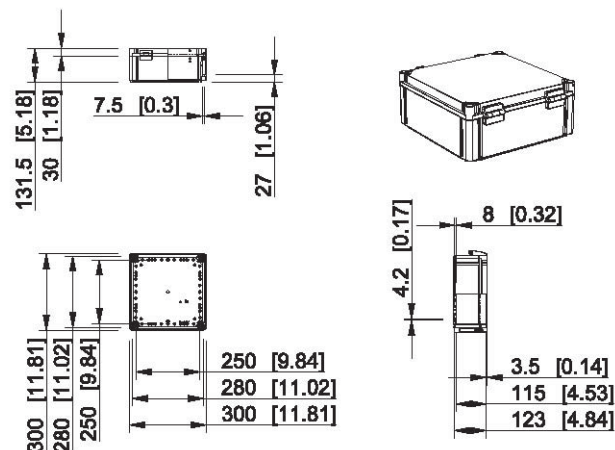
Grey cover	Transparent cover	Description
WPCP204013G	WPCP204013T	Plain sides, polycarbonate

Ensto Cubo W 200 x 400 x 187 mm



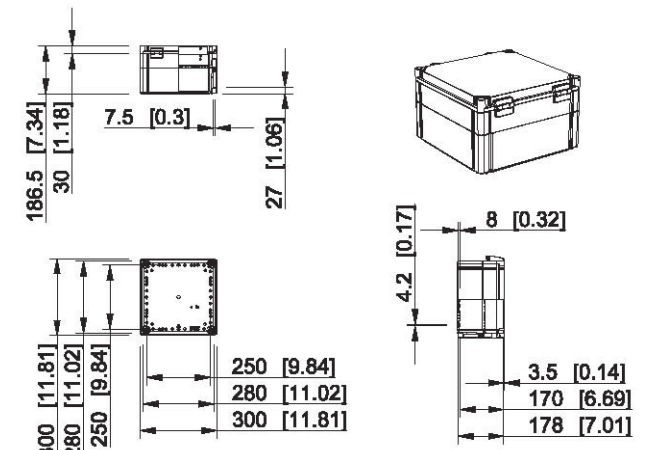
Grey cover	Transparent cover	Description
WPCP204018G	WPCP204018T	Plain sides, polycarbonate

Ensto Cubo W 300 x 300 x 132 mm



Grey cover	Transparent cover	Description
WPCP303013G	WPCP303013T	Plain sides, polycarbonate

Ensto Cubo W 300 x 300 x 187 mm

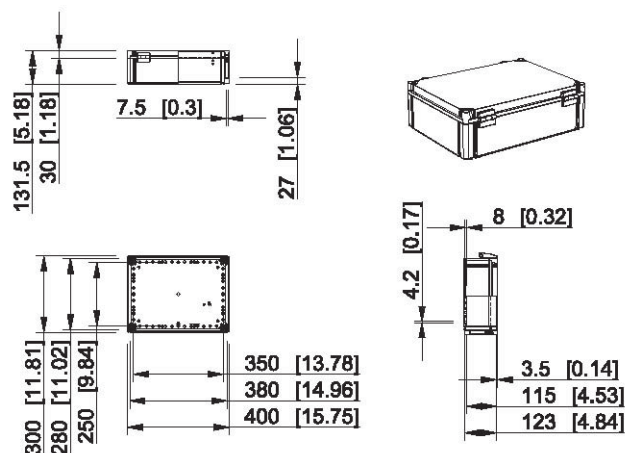


Grey cover	Transparent cover	Description
WPCP303018G	WPCP303018T	Plain sides, polycarbonate

Technical drawings, Ensto Cubo W

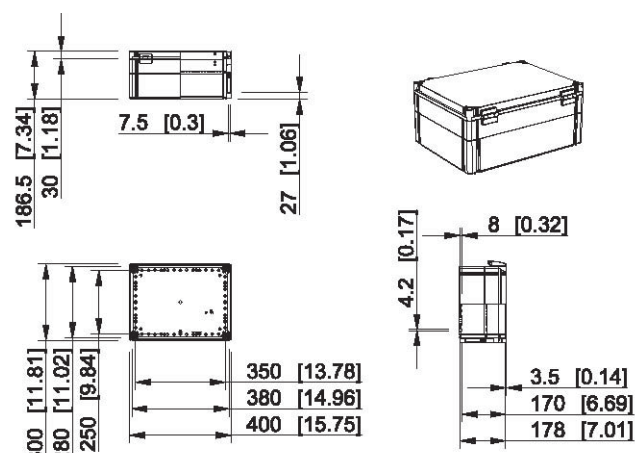
Measurements in mm [inch]

Ensto Cubo W 300 x 400 x 132 mm



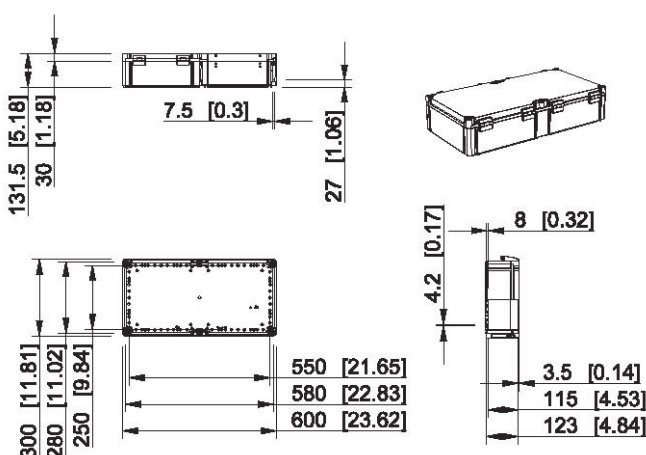
Grey cover	Transparent cover	Description
WPCP304013G	WPCP304013T	Plain sides, polycarbonate

Ensto Cubo W 300 x 400 x 187 mm



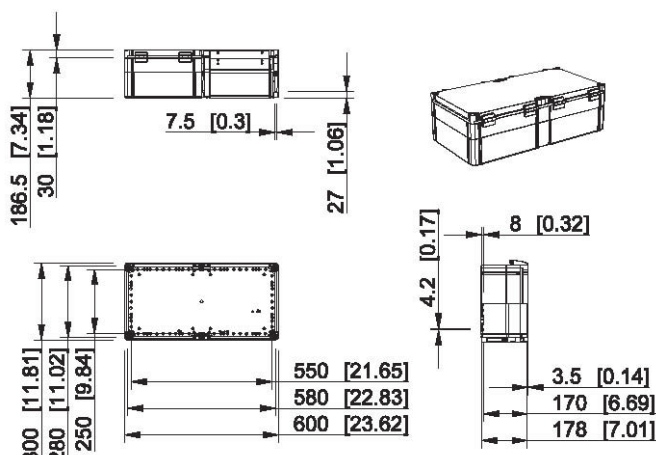
Grey cover	Transparent cover	Description
WPCP304018G	WPCP304018T	Plain sides, polycarbonate

Ensto Cubo W 300 x 600 x 132 mm



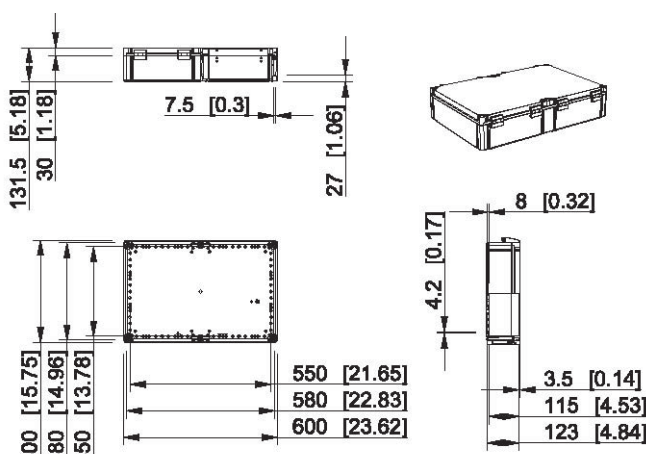
Grey cover	Transparent cover	Description
WPCP306013G	WPCP306013T	Plain sides, polycarbonate

Ensto Cubo W 300 x 600 x 187 mm



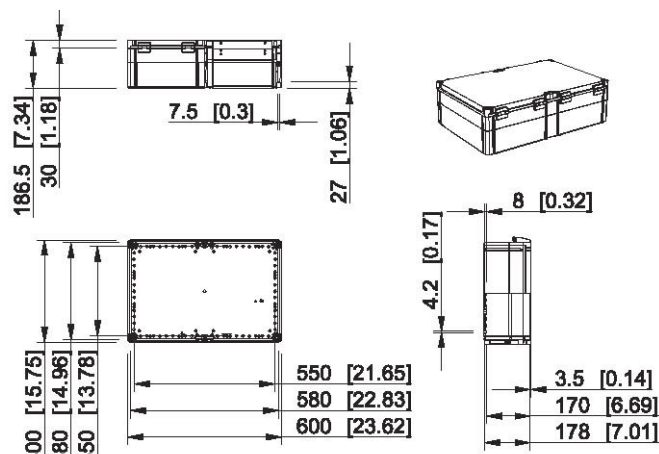
Grey cover	Transparent cover	Description
WPCP306018G	WPCP306018T	Plain sides, polycarbonate

Ensto Cubo W 400 x 600 x 132 mm



Grey cover	Transparent cover	Description
WPCP406013G	WPCP406013T	Plain sides, polycarbonate

Ensto Cubo W 400 x 600 x 187 mm



Grey cover	Transparent cover	Description
WPCP406018G	WPCP406018T	Plain sides, polycarbonate

Accessories for Ensto Cubo O, C, W enclosures and Ensto Cubo P panel building system

Bases

Unsuitable for the Ensto Cubo P panel building system.

Product code	Knockouts	Dimensions (mm)			Package size (pcs)	EAN 13 code
		Width	Height	Depth		
Base, plain sides, polycarbonate, incl. mounting screws						
OPCP202010B		200	200	102	18	6418677164248
OPCP203010B		200	300	102	12	6418677164255
OPCP204010B		200	400	102	9	6418677164262
OPCP303010B		300	300	102	8	6418677164279
OPCP304010B		300	400	102	6	6418677164286
OPCP306010B		300	600	102	4	6418677164293
OPCP406010B		400	600	102	3	6418677164309
Base, plain sides, ABS, incl. mounting screws						
OABP202010B		200	200	102	18	6418677164316
OABP203010B		200	300	102	12	6418677164323
OABP204010B		200	400	102	9	6418677164330
OABP303010B		300	300	102	8	6418677164347
OABP304010B		300	400	102	6	6418677164354
OABP306010B		300	600	102	4	6418677164361
OABP406010B		400	600	102	3	6418677164378
Base, metric knockouts, polycarbonate, incl. mounting screws						
OPCM303010B	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40	300	300	102	8	6418677182600
OPCM304010B	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40	300	400	102	6	6418677182617
OPCM306010B	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40	300	600	102	4	6418677182624
Base, flange knockouts, polycarbonate, incl. mounting screws						
CPCF202010B	4 x F1 knockout	200	200	102	18	6418677171697
CPCF203010B	2 x F1 knockout + 2 x F2 knockout	200	300	102	12	6418677171703
CPCF204010B	2 x F1 knockout + 2 x F2 knockout	200	400	102	9	6418677171710
CPCF303010B	4 x F2 knockout	300	300	102	8	6418677171727
CPCF304010B	4 x F2 knockout	300	400	102	6	6418677171734
CPCF306010B	6 x F2 knockout	300	600	102	4	6418677171741
CPCF406010B	6 x F2 knockout	400	600	102	3	6418677171758



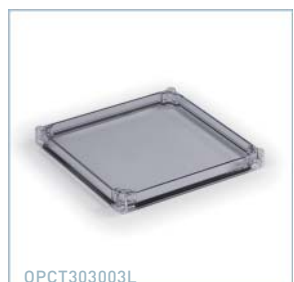
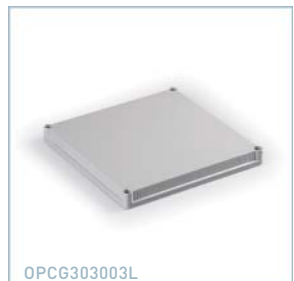
Extension frames, polycarbonate

Product code	Description	Dimensions (mm)			Package size (pcs)	EAN 13 code
		Width	Height	Depth		
OPCP202006E	Incl. mounting screws and gasket	200	200	55	6	6418677164606
OPCP203006E	Incl. mounting screws and gasket	200	300	55	4	6418677164613
OPCP204006E	Incl. mounting screws and gasket	200	400	55	4	6418677164620
OPCP303006E	Incl. mounting screws and gasket	300	300	55	3	6418677164637
OPCP304006E	Incl. mounting screws and gasket	300	400	55	3	6418677164644
OPCP306006E	Incl. mounting screws and gasket	300	600	55	6	6418677164651
OPCP406006E	Incl. mounting screws and gasket	400	600	55	5	6418677164668



Covers

Product code	Description	Dimensions (mm)			Package size (pcs)	EAN 13 code
		Width	Height	Depth		
Grey cover, polycarbonate, incl. gasket						
OPCG202003L		200	200	30	18	6418677164453
OPCG203003L		200	300	30	12	6418677164460
OPCG204003L		200	400	30	9	6418677164477
OPCG303003L		300	300	30	6	6418677164484
OPCG304003L		300	400	30	6	6418677164491
OPCG306003L		300	600	30	12	6418677164507
OPCG406003L		400	600	30	9	6418677164514
Transparent cover, polycarbonate, incl. gasket						
OPCT202003L		200	200	30	18	6418677164385
OPCT203003L		200	300	30	12	6418677164392
OPCT204003L		200	400	30	9	6418677164408
OPCT303003L		300	300	30	6	6418677164415
OPCT304003L		300	400	30	6	6418677164422
OPCT306003L		300	600	30	12	6418677164439
OPCT406003L		400	600	30	9	6418677164446



Accessories for Ensto Cubo O, C, W enclosures and Ensto Cubo P panel building system

Covers

Product code	Description	Dimensions (mm)			Package size (pcs)	EAN 13 code
		Width	Height	Depth		
Grey cover, ABS						
OABG202003L		200	200	30	18	6418677164521
OABG203003L		200	300	30	12	6418677164538
OABG204003L		200	400	30	9	6418677164545
OABG303003L		300	300	30	6	6418677164552
OABG304003L		300	400	30	6	6418677164569
OABG306003L		300	600	30	12	6418677164576
OABG406003L		400	600	30	9	6418677164583
Grey cover with window for kWh-meter, polycarbonate						
OPCG36KWH	Inspection window 113 x 153 mm, incl. cover screws	300	600	37	12	6418677174186



OPCG36KWH

Modular covers, polycarbonate

Product code	Description	Dimensions (mm)			Package size (pcs)	EAN 13 code
		Width	Height	Depth		
Closed front						
OPCG33CS		300	300	30	1	6418677172922
OPCG34CS		300	400	30	1	6418677172939
OPCG36CS		300	600	30	1	6418677172946
Open front						
OPCG33OS		300	300	30	1	6418677172984
OPCG34OS		300	400	30	1	6418677172991
OPCG36OS		300	600	30	1	6418677173004
Cover with window						
KOT20228	2 x 12 modules, incl. DIN rails	300	300	45	1	6418677163944
DIN slits						
OPCG33.125.1DS	Front: 1 DIN slit for 12 modules (12)	300	300	30	1	6418677172953
OPCG34.125.2DS	Front: 2 DIN slits for 12 modules (24)	300	400	30	1	6418677172960
OPCG36.150.3DS	Front: 3 DIN slits for 12 modules (36)	300	600	30	1	6418677172977
DIN slits, incl. DIN rails and 14.5 mm profiles						
OPCG33.125.1DSC	Front: 1 DIN slit for 12 modules (12)	300	300	30	1	6418677166150
OPCG34.125.2DSC	Front: 2 DIN slits for 12 modules (24)	300	400	30	1	6418677166167
OPCG36.150.3DSC	Front: 3 DIN slits for 12 modules (36)	300	600	30	1	6418677166174
Accessories for modular covers						
CP220	Cover plate for DS version/slits	220	50	7	10	6418677176661
PEM222	Marker for DS version, paper	216	34	0.1	20	6418677176678
KY6	Lock (for all modular covers)	21	15	15	1	6418677173431



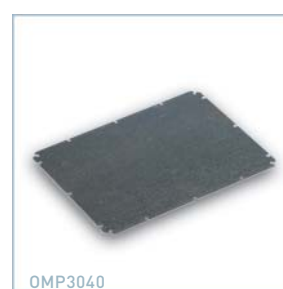
OPCG33CS



OPCG33.125.1DS

Mounting plates and DIN rails

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Mounting plates, galvanized steel				
OMP2020	For 200 x 200 mm enclosures	160 x 160 x 1.5	10	6418677164675
OMP2030	For 200 x 300 mm enclosures	160 x 260 x 1.5	10	6418677164682
OMP2040	For 200 x 400 mm enclosures	160 x 360 x 1.5	10	6418677164699
OMP3030	For 300 x 300 mm enclosures	260 x 260 x 1.5	10	6418677164705
OMP3040	For 300 x 400 mm enclosures	260 x 360 x 1.5	5	6418677164712
KWHP3040	For 300 x 400 mm enclosures , for kWh meter	260 x 360 x 1.5	5	6418677173110
OMP3060	For 300 x 600 mm enclosures	260 x 560 x 1.5	5	6418677164729
KWHP3060	For 300 x 600 mm enclosures, for kWh meter	260 x 560 x 1.5	5	6418677173097
OMP4060	For 400 x 600 mm enclosures	360 x 560 x 1.5	5	6418677164736
KWHP4060	For 400 x 600 mm enclosures, for kWh meter	360 x 560 x 1.5	5	6418677173127
DIN rails, DIN 46277/3, galvanized steel				
DR35150.5	For 200 mm side	35 x 160	10	6418677164743
DR35240.5	For 600 mm side/middle with front panel	35 x 150	10	6418677176647
DR35250.5	For 300 mm side	35 x 260	10	6418677164750
DR35340.5	For 600 mm side/middle with front panel	35 x 350	10	6418677176654
DR35350.5	For 400 mm side	35 x 360	10	6418677164767



OMP3040



KWHP3040

Accessories for Ensto Cubo O, C, W enclosures and Ensto Cubo P panel building system

Front panels with DIN openings

Front panel sets include DIN rails, profiles for DIN rails and corner elevators. Separate front panels include corner elevators. Products with an A in the product code have a DIN rail spacing of 125 mm, where-as products with a B have a DIN rail spacing of 150 mm. Front panels suitable for the Ensto Cubo P panel building system can be viewed on page 58.

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Front panel sets, 14.5 mm high profile, polypropylene				
OFP22A114	For 200 x 200 mm enclosure, 1 DIN opening for 6 modules	186 x 186 x 2	1	6418677183294
OFP32A114	For 200 x 300 mm enclosure, 1 DIN opening for 12 modules	186 x 286 x 2	1	6418677183300
OFP42A114	For 200 x 400 mm enclosure, 1 DIN opening for 17 modules	186 x 386 x 2	1	6418677183317
OFP33A114	For 300 x 300 mm enclosure, 1 DIN opening for 12 modules	286 x 286 x 2	1	6418677183324
OFP43A114	For 300 x 400 mm enclosure, 1 DIN opening for 17 modules	286 x 386 x 2	1	6418677183331
OFP23A214	For 200 x 300 mm enclosure, 2 DIN openings for 6 modules	186 x 286 x 2	1	6418677183348
OFP24A214	For 200 x 400 mm enclosure, 2 DIN openings for 6 modules	186 x 386 x 2	1	6418677183355
OFP33A214	For 300 x 300 mm enclosure, 2 DIN openings for 12 modules	286 x 286 x 2	1	6418677183362
OFP34A214	For 300 x 400 mm enclosure, 2 DIN openings for 12 modules	286 x 386 x 2	1	6418677183379
OFP43A214	For 300 x 400 mm enclosure, 2 DIN openings for 17 modules	286 x 386 x 2	1	6418677183386
OFP24A314	For 200 x 400 mm enclosure, 3 DIN openings for 6 modules	186 x 386 x 2	1	6418677183393
OFP34A314	For 300 x 400 mm enclosure, 3 DIN openings for 12 modules	286 x 386 x 2	1	6418677183409
OFP36A414	For 300 x 600 mm enclosure, 4 DIN openings for 12 modules	286 x 586 x 2	1	6418677183416
OFP46A414	For 400 x 600 mm enclosure, 4 DIN openings for 17 modules	386 x 586 x 2	1	6418677183423
OFP36B314	For 300 x 600 mm enclosure, 3 DIN openings for 12 modules	286 x 586 x 2	1	6418677183430
OFP46B314	For 400 x 600 mm enclosure, 3 DIN openings for 17 modules	386 x 586 x 2	1	6418677183447
Front panel sets, 32.5 mm high profile, polypropylene				
OFP22A132	For 200 x 200 mm enclosure, 1 DIN opening for 6 modules	186 x 186 x 2	1	6418677183454
OFP32A132	For 200 x 300 mm enclosure, 1 DIN opening for 12 modules	186 x 286 x 2	1	6418677183461
OFP42A132	For 200 x 400 mm enclosure, 1 DIN opening for 17 modules	186 x 386 x 2	1	6418677183478
OFP33A132	For 300 x 300 mm enclosure, 1 DIN opening for 12 modules	286 x 286 x 2	1	6418677183485
OFP43A132	For 300 x 400 mm enclosure, 1 DIN opening for 17 modules	286 x 386 x 2	1	6418677183492
OFP23A232	For 200 x 300 mm enclosure, 2 DIN openings for 6 modules	186 x 286 x 2	1	6418677183508
OFP24A232	For 200 x 400 mm enclosure, 2 DIN openings for 6 modules	186 x 386 x 2	1	6418677183515
OFP33A232	For 300 x 300 mm enclosure, 2 DIN openings for 12 modules	286 x 286 x 2	1	6418677183522
OFP34A232	For 300 x 400 mm enclosure, 2 DIN openings for 12 modules	286 x 386 x 2	1	6418677183539
OFP43A232	For 300 x 400 mm enclosure, 2 DIN openings for 17 modules	286 x 386 x 2	1	6418677183546
OFP24A332	For 200 x 400 mm enclosure, 3 DIN openings for 6 modules	186 x 386 x 2	1	6418677183553
OFP34A332	For 300 x 400 mm enclosure, 3 DIN openings for 12 modules	286 x 386 x 2	1	6418677183560
OFP36A432	For 300 x 600 mm enclosure, 4 DIN openings for 12 modules	286 x 586 x 2	1	6418677183577
OFP46A432	For 400 x 600 mm enclosure, 4 DIN openings for 17 modules	386 x 586 x 2	1	6418677183584
OFP36B332	For 300 x 600 mm enclosure, 3 DIN openings for 12 modules	286 x 586 x 2	1	6418677183591
OFP46B332	For 400 x 600 mm enclosure, 3 DIN openings for 17 modules	386 x 586 x 2	1	6418677183607
Front panels separately, polypropylene				
OFP22.125.1	For 200 x 200 mm enclosure, 1 DIN opening for 6 modules	186 x 186 x 2	1	6418677182822
OFP32.125.1	For 200 x 300 mm enclosure, 1 DIN opening for 12 modules	186 x 286 x 2	1	6418677182839
OFP42.125.1	For 200 x 400 mm enclosure, 1 DIN opening for 17 modules	186 x 386 x 2	1	6418677182846
OFP33.125.1	For 300 x 300 mm enclosure, 1 DIN opening for 12 modules	286 x 286 x 2	1	6418677182853
OFP43.125.1	For 300 x 400 mm enclosure, 1 DIN opening for 17 modules	286 x 386 x 2	1	6418677182860
OFP23.125.2	For 200 x 300 mm enclosure, 2 DIN openings for 6 modules	186 x 286 x 2	1	6418677182877
OFP24.125.2	For 200 x 400 mm enclosure, 2 DIN openings for 6 modules	186 x 386 x 2	1	6418677182884
OFP33.125.2	For 300 x 300 mm enclosure, 2 DIN openings for 12 modules	286 x 286 x 2	1	6418677182891
OFP34.125.2	For 300 x 400 mm enclosure, 2 DIN openings for 12 modules	286 x 386 x 2	1	6418677182907
OFP43.125.2	For 300 x 400 mm enclosure, 2 DIN openings for 17 modules	286 x 386 x 2	1	6418677182914
OFP24.125.3	For 200 x 400 mm enclosure, 3 DIN openings for 6 modules	186 x 386 x 2	1	6418677182921
OFP34.125.3	For 300 x 400 mm enclosure, 3 DIN openings for 12 modules	286 x 386 x 2	1	6418677182938
OFP36.125.4	For 300 x 600 mm enclosure, 4 DIN openings for 12 modules	286 x 586 x 2	1	6418677182945
OFP46.125.4	For 400 x 600 mm enclosure, 4 DIN openings for 17 modules	386 x 586 x 2	1	6418677182952
OFP36.150.3	For 300 x 600 mm enclosure, 3 DIN openings for 12 modules	286 x 586 x 2	1	6418677182969
OFP46.150.3	For 400 x 600 mm enclosure, 3 DIN openings for 17 modules	386 x 586 x 2	1	6418677182976



OFP36A414



OFP32A132



OFP36.125.4

Accessories for Ensto Cubo O, C, W enclosures and Ensto Cubo P panel building system

Front panels, closed

Front panels suitable for the Ensto Cubo P panel building system can be viewed on page 58.

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Front panels, closed, polypropylene, incl. corner elevators				
OFP22	For 200 x 200 mm enclosure	186 x 186 x 2	1	6418677182754
OFP23	For 200 x 300 mm enclosure	186 x 286 x 2	1	6418677182761
OFP24	For 200 x 400 mm enclosure	186 x 386 x 2	1	6418677182778
OFP33	For 300 x 300 mm enclosure	286 x 286 x 2	1	6418677182785
OFP34	For 300 x 400 mm enclosure	286 x 386 x 2	1	6418677182792
OFP36	For 300 x 600 mm enclosure	286 x 586 x 2	1	6418677182808
OFP46	For 400 x 600 mm enclosure	386 x 586 x 2	1	6418677182815
Front panels, closed, aluminium, incl. corner elevators				
OFP22A	For 200 x 200 mm enclosure	186 x 186 x 1.5	1	6418677182983
OFP23A	For 200 x 300 mm enclosure	186 x 286 x 1.5	1	6418677182990
OFP24A	For 200 x 400 mm enclosure	186 x 386 x 1.5	1	6418677183003
OFP33A	For 300 x 300 mm enclosure	286 x 286 x 1.5	1	6418677183010
OFP34A	For 300 x 400 mm enclosure	286 x 386 x 1.5	1	6418677183027
OFP36A	For 300 x 600 mm enclosure	286 x 586 x 1.5	1	6418677183034
OFP46A	For 400 x 600 mm enclosure	386 x 586 x 1.5	1	6418677183041



OFP22



OFP22A

Front panels, hinged

Front panels suitable for the Ensto Cubo P panel building system can be viewed on page 58.

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Hinged front panels, polypropylene, incl. corner elevators				
OHFP22	For 200 x 200 mm enclosure, hinged side 200 mm	186 x 166 x 2	1	6418677183058
OHFP23	For 200 x 300 mm enclosure, hinged side 200 mm	186 x 286 x 2	1	6418677183065
OHFP32	For 200 x 300 mm enclosure, hinged side 300 mm	186 x 286 x 2	1	6418677183072
OHFP24	For 200 x 400 mm enclosure, hinged side 200 mm	186 x 386 x 2	1	6418677183089
OHFP42	For 200 x 400 mm enclosure, hinged side 400 mm	186 x 386 x 2	1	6418677183096
OHFP33	For 300 x 300 mm enclosure, hinged side 300 mm	286 x 286 x 2	1	6418677183102
OHFP34	For 300 x 400 mm enclosure, hinged side 300 mm	286 x 386 x 2	1	6418677183119
OHFP43	For 300 x 400 mm enclosure, hinged side 400 mm	286 x 386 x 2	1	6418677183126
OHFP36	For 300 x 600 mm enclosure, hinged side 300 mm	286 x 586 x 2	1	6418677183133
OHFP63	For 300 x 600 mm enclosure, hinged side 600 mm	286 x 586 x 2	1	6418677183140
OHFP46	For 400 x 600 mm enclosure, hinged side 400 mm	386 x 586 x 2	1	6418677183157
OHFP64	For 400 x 600 mm enclosure, hinged side 600 mm	386 x 586 x 2	1	6418677183164
Hinged front panels, aluminium, incl. corner elevators				
OHFP22A	For 200 x 200 mm enclosure, hinged side 200 mm	186 x 166 x 1.5	1	6418677183171
OHFP23A	For 200 x 300 mm enclosure, hinged side 200 mm	186 x 286 x 1.5	1	6418677183188
OHFP32A	For 200 x 300 mm enclosure, hinged side 300 mm	186 x 286 x 1.5	1	6418677183195
OHFP24A	For 200 x 400 mm enclosure, hinged side 200 mm	186 x 386 x 1.5	1	6418677183201
OHFP42A	For 200 x 400 mm enclosure, hinged side 400 mm	186 x 386 x 1.5	1	6418677183218
OHFP33A	For 300 x 300 mm enclosure, hinged side 300 mm	286 x 286 x 1.5	1	6418677183225
OHFP34A	For 300 x 400 mm enclosure, hinged side 300 mm	286 x 386 x 1.5	1	6418677183232
OHFP43A	For 300 x 400 mm enclosure, hinged side 400 mm	286 x 386 x 1.5	1	6418677183249
OHFP36A	For 300 x 600 mm enclosure, hinged side 300 mm	286 x 586 x 1.5	1	6418677183256
OHFP63A	For 300 x 600 mm enclosure, hinged side 600 mm	286 x 586 x 1.5	1	6418677183263
OHFP46A	For 400 x 600 mm enclosure, hinged side 400 mm	386 x 586 x 1.5	1	6418677183270
OHFP64A	For 400 x 600 mm enclosure, hinged side 600 mm	386 x 586 x 1.5	1	6418677183287



OHFP22



OHFP22A

Profiles for DIN rails, galvanized steel

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PRE2.14	Pair, for 200 mm side, height 14.5 mm	115 x 14 x 14	1	6418677173172
PRE3.14	Pair, for 300 mm side, height 14.5 mm	215 x 14 x 14	1	6418677173134
PRE4.14	Pair, for 400 mm side, height 14.5 mm	315 x 14 x 14	1	6418677173141
PRE75.14	Pair, for 600 mm side or center, height 14.5 mm	75 x 14 x 14	1	6418677173158
PRE2.32	Pair, for 200 mm side, height 32.5 mm	115 x 14 x 32	1	6418677173189
PRE3.32	Pair, for 300 mm side, height 32.5 mm	215 x 14 x 32	1	6418677172687
PRE4.32	Pair, for 400 mm side, height 32.5 mm	315 x 14 x 32	1	6418677172694
PRE75.32	Pair, for 600 mm side or center, height 32.5 mm	75 x 14 x 32	1	6418677173165



PRE2.14

Accessories for Ensto Cubo O, C, W enclosures and Ensto Cubo P panel building system

Accessories for front panels

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PLC3	DIN rail mounting screw for profile	M5 x 6	100	6418677173196
PPH787	Support, with 14.5 mm profile	65	10	6418677173554
PPH789	Support, with 32.5 mm profile	85	10	6418677173561
PTK4.50	Spacer, 600 mm/middle	50	10	6418677173578
PMR1387	Plug for front panel, ø 6 mm hole	20 x 31 x 6	10	6418677166730



DIN rail mounting screw for profile, PLC3.



Support with 14.5 mm profile, PPH787.



Spacer, PTK4.50.



Plug for front panel, PMR1387.

Busbar support sets, 630 A

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
KGH1.10	Support set for bars 10 mm x 10, 12, 20 or 30 mm	266 x 78 x 18	1	6418677172373
KGH1.05	Support set for bars 5 mm x 10, 12, 15 or 20 mm	266 x 78 x 18	1	6418677172380



KGH1.10

Strain reliefs

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
KJ8.13	300 mm side/for 1 cable, galvanized steel	265 x 65 x 85	1	6418677172755
KJ8.23	300 mm side/for 2 cables, galvanized steel	265 x 65 x 85	1	6418677173271
KJ8.14	400 mm side/for 1 cable, galvanized steel	365 x 65 x 85	1	6418677173288
KJ8.24	400 mm side/for 2 cables, galvanized steel	365 x 65 x 85	1	6418677173295



KJ8.13

Terminals for Al/Cu busbars

Product code	Description	For busbar	Package size (pcs)	EAN 13 code
KG81	Terminal for 25-70 mm ² cable	10 mm ² Al/Cu	1	6418677163739
KG83	Terminal for 16-185 mm ² cable	10 mm ² Al/Cu	1	6418677163746
KG85	Terminal for 2 x 35 mm ² + 2 x 16 mm ² cables	10 mm ² Al/Cu	1	6418677163753
KG87	Terminal for 4 x 35 mm ² + 4 x 16 mm ² cables	10 mm ² Al/Cu	1	6418677163760
KG80	Terminal for 25-70 mm ² cable	5 mm ² Al/Cu	1	6418677163852
KG82	Terminal for 6-70 mm ² cable	5 mm ² Al/Cu	1	6418677163869
KG84	Terminal for 3 x 16 mm ² cables	5 mm ² Al/Cu	1	6418677163876
KG86	Terminal for 6 x 16 mm ² cables	5 mm ² Al/Cu	1	6418677163883



KG85

Accessories for Ensto Cubo O, C, W enclosures and Ensto Cubo P panel building system

Cover screws

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
OLS42	Slotted/cross head, sealable	14 x 42	100	6418677164590
OLSA42.4	Screw set, 4 slotted/cross head cover screws OLS42	14 x 42	1	6418677174704
OLSA42.6	Screw set, 6 slotted/cross head cover screws OLS42	14 x 42	1	6418677174711
OLSA42.04	Screw set, 4 slotted/cross head cover screws OLS42 and 4 mounting screws OMS1	14 x 42	10	6418677172267
OLSA42.06	Screw set, 6 slotted/cross head cover screws OLS42 and 8 mounting screws OMS1	14 x 42	10	6418677172274
OLS42N	Slotted/cross head, dark grey Noryl	14 x 42	12	6418677174728
OLS32	Slotted/cross head for 600 mm modular cover	14 x 32	12	6418677174360
PLS63	Springloaded, slotted/cross head	14 x 62	12	6418677173073
OLSH1	Hinged cover screw, slot/cross head, blue, polyamide	14 x 96	10	6418677174247
OLWH1	Hinged cover screw, wing head, blue, polyamide	14 x 113	10	6418677174254
OLW55	Wing head	14 x 55	100	6418677171765
OLWA55.4	Screw set, 4 wing head cover screws OLW55	14 x 55	1	6418677174735
OLWA55.6	Screw set, 6 wing head cover screws OLW55	14 x 55	1	6418677174742
OLWA55.04	Screw set, 4 wing head cover screws OLW55 and 4 mounting screws OMS1	14 x 55	1	6418677172281
OLWA55.06	Screw set, 6 wing head cover screws OLW55 and 8 mounting screws OMS1	14 x 55	1	6418677174759
OLT42	DIN 3 head	14 x 42	12	6418677171772
OLTA42.4	Screw set, 4 DIN 3 head cover screws OLT42	14 x 42	1	6418677174766
OLTA42.6	Screw set, 6 DIN 3 head cover screws OLT42	14 x 42	1	6418677174773
OLTA42.04	Screw set, 4 DIN 3 head cover screws OLT42 and 4 mounting screws OMS1	14 x 42	1	6418677172298
OLTA42.06	Screw set, 6 DIN 3 head cover screws OLT42 and 8 mounting screws OMS1	14 x 42	1	6418677174780
OLTA42.041	Screw set, 4 DIN 3 head cover screws OLT42 and 4 mounting screws OMS1 + key OLT42KEY	14 x 42	1	6418677174797
OLT42KEY	Key for DIN head screw OLT42	50 x 53 x ø22	10	6418677172410



Cover screw, slotted/cross head, OLS42.



Cover screw, slotted/cross head, Noryl, OLS42N.



Cover screw, for 600 mm modular cover, OLS32.



Cover screw, slotted/cross head, springloaded, PLS63.



Hinged cover screw, slot/cross head, OLSH1.



Hinged cover screw, wing head, OLWH1.



Cover screw, wing head, OLW55.



Cover screw, DIN 3 head, OLT42.



Key for DIN head screw, OLT42KEY.

Accessories for Ensto Cubo O, C, W enclosures and Ensto Cubo P panel building system

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
OCS22.46	Customising template, transparent	300 x 400 x 6	5	6418677184338
OES1	Extension frame screw	ø 17 x 67	12	6418677174803
OESA1.04	Extension frame screws, set of 4 pcs	ø 17 x 67	1	6438100081409
OESA1.06	Extension frame screws, set of 6 pcs	ø 17 x 67	1	6438100081416
OHI1	Hinge pair, incl. mounting instruction	40 x 50 x 16.5	1	6418677164774
OHICP1	Hinge pair, incl. 2 cover plugs	40 x 50 x 16.5	1	6418677172304
OFL1	Fastening lug, set of 4 pcs	19 x 40 x 35.5	1	6418677164781
OEL1	Corner elevator, incl. M5 bolt	19 x 19 x 14	10	6418677164798
OELA1.04	Corner elevator, set of 4 OEL1	19 x 19 x 14	1	6418677181696
OTS1	Threaded bushing, for cover screw when cover mounted on the back	18/30 ø 16	12	6418677171789
OTSA1.04	Threaded bushing, 4 x OTS1 + 4 x OLS42	17 x 30/18	1	6418677181702
OMS1	Mounting screw, for rails and plates	5 x 10	100	6418677164804
OBI1	Brass insert, for mounting pod	M3	50	6418677172328
OBI1.04	Brass insert, set of 4 OBI1	M3	1	6418677172335
OCP1	Cover plug, polyethylene	11 x ø 15/17	12	6418677164811
OBS15	15 mm spacer, incl. M5 screw, steel	15 x 8	12	6418677171802
OBS15.04	15 mm spacer, set of 4 pcs	15 x 8	1	6418677172342
OBS20	20 mm spacer, incl. M5 screw, steel	20 x 8	12	6418677171819
OBS20.04	20 mm spacer, set of 4 pcs	20 x 8	1	6418677172359
OBS30	30 mm spacer, incl. M5 screw, steel	30 x 8	12	6418677171826
OBS30.04	30 mm spacer, set of 4 pcs	30 x 8	1	6418677172366
WQL1.1	Latch, pair incl. hooks and counter parts, PC	-	1	6418677174902
PEM166	UL label, for polycarbonate enclosure	38 x 64	1	6418677181719
PEM237.3	UL label, for OPCx	30 x 37	1	6438100081911



Customising template, OCS22.46.



Extension frame screw, OES1.



Hinge pair, OHI1.



Fastening lug set, OFL1.



Corner elevator, OEL1.



Threaded bushing, OTS1.



Mounting screw, OMS1.



Brass insert, OBI1.



Cover plug, OCP1.



20 mm spacer, set of 4 pcs, OBS20.



Latch, pair, WQL1.1



UL label, PEM166.



UL label, for OPCx, PEM237.3.

Flanges for Ensto Cubo C enclosures

Cover plates for flange openings

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F1151	F1 size, excl. gasket, PC/ABS	137 x 48	1	6418677171833
F2251	F2 size, incl. PUR gasket, PC	216 x 86	1	6418677171949



F2251

Gland flanges

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F1165	F1 size, excl. gasket, 3 x M20, PC/ABS	137 x 48	1	6418677152641
F1166	F1 size, excl. gasket, 3 x M25, PC/ABS	137 x 48	1	6418677152658
F1167	F1 size, excl. gasket, 1 x M32, PC/ABS	137 x 48	1	6418677152665
F2157	F2 size, incl. PUR gasket, 3 x Pg21 + 4 x Pg16, PC	216 x 86	1	6418677171956
F2158	F2 size, incl. PUR gasket, 2 x Pg29 + 6 x Pg16, PC	216 x 86	1	6418677171963
F2159	F2 size, incl. PUR gasket, 2 x Pg36 + 4 x Pg16, PC	216 x 86	1	6418677171970
F2160	F2 size, incl. PUR gasket, 8 x Pg16, PC	216 x 86	1	6418677171987
F2161	F2 size, incl. PUR gasket, 10 x Pg13.5, PC	216 x 86	1	6418677171994
F2168	F2 size, incl. PUR gasket, 4 x M20 + 1 x M25 + 2 x M32, PC	216 x 86	1	6418677152672
F2169	F2 size, incl. PUR gasket, 6 x M20 + 1 x M32 + 1 x M4, PC	216 x 86	1	6418677152689
F2170	F2 size, incl. PUR gasket, 4 x M20 + 2 x M40, PC	216 x 86	1	6418677152696
F2171	F2 size, incl. PUR gasket, 8 x M20, PC	216 x 86	1	6418677152702
F2172	F2 size, incl. PUR gasket, 10 x M16, PC	216 x 86	1	6418677152719



F2157

Knockout flanges

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F2252	F2 size, incl. PUR gasket, 7 x Pg11 + 7 x Pg9/16, PC	216 x 86	1	6418677172113
F2253	F2 size, incl. PUR gasket, 2 x Pg21/29/36 + 2 x Pg9/16 + 1 x Pg11, PC	216 x 86	1	6418677172397
F2254	F2 size, incl. PUR gasket, 5 x Pg16/21 + 2 x Pg11 + 1 x Pg9/16, PC	216 x 86	1	6418677172403
F2255	F2 size, incl. PUR gasket, 7 x M16 + 7 x M12/20, PC	216 x 86	1	6418677172595
F2256	F2 size, incl. PUR gasket, 2 x M20/32/50 + 2 x M12/20 + 2 x M16, PC	216 x 86	1	6418677172625
F2257	F2 size, incl. PUR gasket, 5 x M20/32 + 2 x M16 + 1 x M12/20, PC	216 x 86	1	6418677172700



F2252

Membrane flanges

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F1201	F1 size, for 5x ø 7-30 mm cables, EPDM	138 x 48	1	6418677171871
F2202	F2 size, for 25 x ø 5-26 mm cables, EPDM	216 x 84	1	6418677172007
F2203	F2 size, for 35 x ø 5-26 mm cables, EPDM	216 x 84	1	6418677172014
F2204	F2 size, for 3 x ø 24-60 mm cables, EPDM	216 x 84	1	6418677172021
F1155	F1 size, excl. gasket, 3 x ø 21 + 4 x ø 15 mm, TPE	135 x 47	1	6418677171888
F1156	F1 size, excl. gasket, 4 x ø 16 + 6 x ø 13 mm, TPE	135 x 47	1	6418677171895
F2162	F2 size, excl. gasket, 3 x ø 30 + 6 x ø 18 + 16 x ø 14 mm, TPE	226 x 87	1	6418677172038
F2163	F2 size, excl. gasket, 9 x ø 18 + 24 x ø 14 mm, TPE	226 x 87	1	6418677172045

EPDM = ethylene propylene diene M-class rubber
TPE = thermoplastic elastomer



F2202

Flanges for Ensto Cubo C enclosures

Flange accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F2CE.1	Cable spreader for 1 cable	216 x 86 x 68	1	6418677181672
F2C50E	50 mm extension frame for F2 flange, PC	216 x 86 x 50	1	6418677173448
F1G	Self-adhesive flange gasket, F1 size	137 x 48	1	6418677171925
F2G	Self-adhesive flange gasket, F2 size	216 x 84	1	6418677172076
F1SS20	Flange bolt set, F1 size, steel bolt with plastic head	M6 x 20	1	6418677173066
F2SS20	Flange bolt set, F2 size, steel bolt with plastic head	M8 x 20	1	6418677171932
F2SS20L	Flange bolt set, F2 size, steel bolt with plastic head + steel connector	M8 x 20	1	6418677181689
F1PA25	Flange bolt set, F1 size, polyamide	M6 x 25	1	6418677173080
F2PA30	Flange bolt set, F2 size, polyamide	M8 x 30	1	6418677172083
PMR1857	Flange/base support for F2 size, polyamide	216 x 22	10	6418677172106
PMR1858	Isolating cup for support PMR1857, polyamide	ø 18 mm	20	6418677171796



Cable spreader for 1 cable, F2CE.1.



50 mm extension frame for F2 flange, F2C50E.



Self-adhesive flange gasket, F2 size, F2G.



Flange bolt set, F2 size, steel bolt with plastic head, F2SS20.



Flange bolt set, F2 size + steel connector, M8 x 20, F2SS20L.



Flange bolt set, F2 size, polyamide, F2PA30.



Flange/base support for F2 size, PMR1857.



Isolating cup for support PMR1857, PMR1858.

Ensto Cubo P panel building system IP 65

Base sizes 300 x 300 x 102 to 400 x 600 x 102 mm

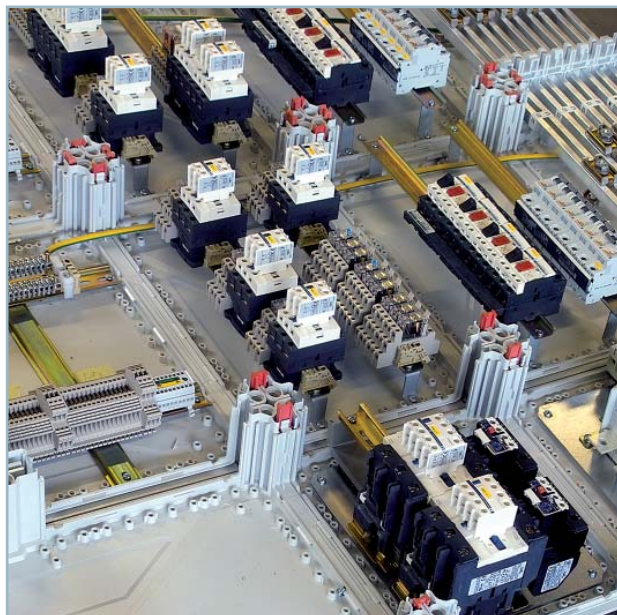


Ensto Cubo P panel building system in brief:

- Includes a base part with four totally open sides
- Base part available in 4 sizes
- Open construction in the assembly stage; easy access from all directions
- Easy and quick assembly of bases and plates with the help of quick release pins
- Easy to modify and extend into larger assemblies
- All parts are reusable
- Wide range of accessories available.

Further information available in our panel building system brochure. Please order through our customer service or download at our web pages at www.ensto.com.

Accessories presented here are suitable only for the Ensto Cubo P panel building system. Accessories for Ensto Cubo O, C and W enclosures are, in the main, also suitable for Ensto Cubo P. These accessories can be found on page 47.



Conformity

PC enclosures:



Technical information

Degree of protection: IP 65

Material

Base:	Fibreglass reinforced polycarbonate
Cover:	Polycarbonate
Cover screws:	Fibreglass reinforced polyamide
Gasket:	PUR (polyurethane)

Knockout alternatives

PC enclosures: Totally open sides

Standard colour

Base:	Grey RAL 7035
Cover:	Grey RAL 7035 or transparent

Material based technical information is available on page 5.



The Ensto Cubo P is an open construction during the assembly stage. The base part is totally open in four directions, enabling fast and efficient mounting.

A typical Ensto Cubo P panel assembly.

Ensto Cubo P panel building system

Ensto Cubo P panel building system, bases, polycarbonate

Product code	Description	Dimensions (mm)			Package size (pcs)	EAN 13 code
		Width	Height	Depth		
PPCF303010B4	4 openings	300	300	102	8	6418677166228
PPCF304010B4	4 openings	300	400	102	6	6418677166242
PPCF306010B6	6 openings	300	600	102	4	6418677166266
PPCF406010B6	6 openings	400	600	102	3	6418677166303



Assembly parts

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PCSC3	Connection set for 300 mm side	251 x 90 x 36	1	6418677172571
PCSD4	Connection set for 400 mm side	351 x 90 x 36	1	6418677172588
PRC1846	Connection rib 300 mm	251 x 16 x 30	25	6418677172601
PRD1847	Connection rib 400 mm	351 x 16 x 30	25	6418677172618
PCC1843	Connection collar 300 mm	251 x 90 x 36	25	6418677172632
PCD1844	Connection collar 400 mm	351 x 90 x 36	25	6418677172649
PBLP1849	Locking pin for Cubo P bases	15 x 90	50	6418677172670



Connection set, PCSC3.



Connection rib, PRC1846.



Connection collar, PCC1843.



Locking pin, PBLP1849.

Support rails and accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PVR1.1	U-profile support rail	78 x 25 x 2400	1	6418677184277
PSF1.1	Triangle support plate for U-profile rail	△340	1	6418677184284
PBB1	Mounting screws for mounting bases onto rails, set of 4 pcs	M6 x 40	10	6418677173424
PBB2	Mounting screws for profile PVR1.1	M8 x 16	1	6418677184291



U-profile support rail, PVR1.1.



Triangle support plate for U-profile rail, PSF1.1.



Mounting screws for mounting Cubo P bases onto rails, PBB1.



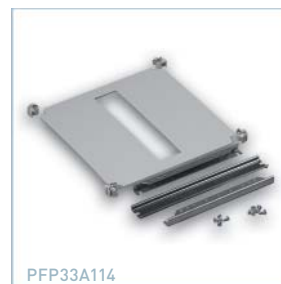
Mounting screws for profile, PBB2.

Ensto Cubo P panel building system

Front panels with DIN openings

Front panel sets include DIN rails, profiles for DIN rails and corner elevators. Separate front panels include corner elevators. Products with an A in the product code have a DIN rail spacing of 125 mm, where-as products with a B have a DIN rail spacing of 150 mm.

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Front panel sets, 14.5 mm high profile, polypropylene				
PFP33A114	For 300 x 300 mm enclosure, 1 DIN opening for 12 modules	266 x 266 x 2	1	6418677185007
PFP33A214	For 300 x 300 mm enclosure, 2 DIN openings for 12 modules	266 x 266 x 2	1	6418677185021
PFP43A114	For 300 x 400 mm enclosure, 1 DIN opening for 17 modules	266 x 366 x 2	1	6418677185045
PFP43A214	For 300 x 400 mm enclosure, 2 DIN openings for 17 modules	266 x 366 x 2	1	6418677185069
PFP34B214	For 300 x 400 mm enclosure, 2 DIN openings for 12 modules	266 x 366 x 2	1	6418677185083
PFP34A314	For 300 x 400 mm enclosure, 3 DIN openings for 12 modules	266 x 366 x 2	1	6418677185106
PFP36A414	For 300 x 600 mm enclosure, 4 DIN openings for 12 modules	266 x 566 x 2	1	6418677185120
PFP36B314	For 300 x 600 mm enclosure, 3 DIN openings for 12 modules	266 x 566 x 2	1	6418677185144
PFP46A414	For 400 x 600 mm enclosure, 4 DIN openings for 17 modules	366 x 566 x 2	1	6418677185168
PFP46B314	For 400 x 600 mm enclosure, 3 DIN openings for 17 modules	366 x 566 x 2	1	6418677185182
Front panel sets, 32.5 mm high profile, polypropylene				
PFP33A132	For 300 x 300 mm enclosure, 1 DIN opening for 12 modules	266 x 266 x 2	1	6418677185014
PFP33A232	For 300 x 300 mm enclosure, 2 DIN openings for 12 modules	266 x 266 x 2	1	6418677185038
PFP43A132	For 300 x 400 mm enclosure, 1 DIN opening for 17 modules	266 x 366 x 2	1	6418677185052
PFP43A232	For 300 x 400 mm enclosure, 2 DIN openings for 17 modules	266 x 366 x 2	1	6418677185076
PFP34B232	For 300 x 400 mm enclosure, 2 DIN openings for 12 modules	266 x 366 x 2	1	6418677185090
PFP34A332	For 300 x 400 mm enclosure, 3 DIN openings for 12 modules	266 x 366 x 2	1	6418677185113
PFP36A432	For 300 x 600 mm enclosure, 4 DIN openings for 12 modules	266 x 566 x 2	1	6418677185137
PFP36B332	For 300 x 600 mm enclosure, 3 DIN openings for 12 modules	266 x 566 x 2	1	6418677185151
PFP46A432	For 400 x 600 mm enclosure, 4 DIN openings for 17 modules	366 x 566 x 2	1	6418677185175
PFP46B332	For 400 x 600 mm enclosure, 3 DIN openings for 17 modules	366 x 566 x 2	1	6418677185199
Front panels separately, polypropylene				
PFP33.125.1	For 300 x 300 mm enclosure, 1 DIN opening for 12 modules	266 x 266 x 2	1	6418677172830
PFP33.125.2	For 300 x 300 mm enclosure, 2 DIN openings for 12 modules	266 x 266 x 2	1	6418677172878
PFP43.125.1	For 300 x 400 mm enclosure, 1 DIN opening for 17 modules	266 x 366 x 2	1	6418677172885
PFP43.125.2	For 300 x 400 mm enclosure, 2 DIN openings for 17 modules	266 x 366 x 2	1	6418677172847
PFP34.125.3	For 300 x 400 mm enclosure, 3 DIN openings for 12 modules	266 x 366 x 2	1	6418677172892
PFP36.125.4	For 300 x 600 mm enclosure, 4 DIN openings for 12 modules	266 x 566 x 2	1	6418677172854
PFP46.125.4	For 400 x 600 mm enclosure, 4 DIN openings for 17 modules	366 x 566 x 2	1	6418677172861
PFP34.150.2	For 300 x 400 mm enclosure, 2 DIN openings for 12 modules	266 x 366 x 2	1	6418677172908
PFP36.150.3	For 300 x 600 mm enclosure, 3 DIN openings for 12 modules	266 x 566 x 2	1	6418677172915
PFP46.150.3	For 400 x 600 mm enclosure, 3 DIN openings for 17 modules	366 x 566 x 2	1	6418677173011



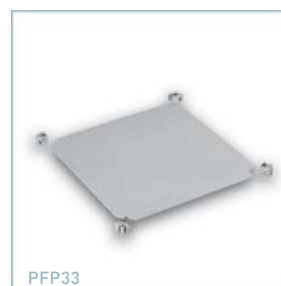
PFP33A114



PFP33.125.1

Front panels, closed

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Front panels, closed, polypropylene, incl. corner elevators				
PFP33	For 300 x 300 mm enclosure	266 x 266 x 2	1	6418677172793
PFP34	For 300 x 400 mm enclosure	266 x 366 x 2	1	6418677172809
PFP36	For 300 x 600 mm enclosure	266 x 566 x 2	1	6418677172816
PFP46	For 400 x 600 mm enclosure	366 x 566 x 2	1	6418677172823
Front panels, closed, aluminium, incl. corner elevators				
PFP33A	For 300 x 300 mm enclosure	266 x 266 x 1.5	1	6418677173691
PFP43A	For 300 x 400 mm enclosure	266 x 366 x 1.5	1	6418677173707
PFP63A	For 300 x 600 mm enclosure	266 x 566 x 1.5	1	6418677173714
PFP64A	For 400 x 600 mm enclosure	366 x 566 x 1.5	1	6418677173721



PFP33

Hinged front panels

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Hinged front panels, polypropylene, incl. corner elevators				
PHFP33	For 300 x 300 mm enclosure, hinged side 300 mm	266 x 266 x 2	1	6418677173028
PHFP34	For 300 x 400 mm enclosure, hinged side 300 mm	266 x 366 x 2	1	6418677173035
PHFP43	For 300 x 400 mm enclosure, hinged side 400 mm	266 x 366 x 2	1	6418677173202
PHFP36	For 300 x 600 mm enclosure, hinged side 300 mm	266 x 566 x 2	1	6418677173042
PHFP63	For 300 x 600 mm enclosure, hinged side 600 mm	266 x 566 x 2	1	6418677173219
PHFP46	For 400 x 600 mm enclosure, hinged side 400 mm	366 x 566 x 2	1	6418677173059
PHFP64	For 400 x 600 mm enclosure, hinged side 600 mm	366 x 566 x 2	1	6418677173226



PHFP33

Ensto Cubo P panel building system

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Hinged front panels, aluminium, incl. corner elevators				
PHFP33A	For 300 x 300 mm enclosure, hinged side 300 mm	266 x 266 x 1.5	1	6418677173608
PHFP34A	For 300 x 400 mm enclosure, hinged side 300 mm	266 x 366 x 1.5	1	6418677173615
PHFP43A	For 300 x 400 mm enclosure, hinged side 400 mm	266 x 366 x 1.5	1	6418677173622
PHFP36A	For 300 x 600 mm enclosure, hinged side 300 mm	266 x 566 x 1.5	1	6418677173639
PHFP63A	For 300 x 600 mm enclosure, hinged side 600 mm	266 x 566 x 1.5	1	6418677173646
PHFP46A	For 400 x 600 mm enclosure, hinged side 400 mm	366 x 566 x 1.5	1	6418677173653
PHFP64A	For 400 x 600 mm enclosure, hinged side 600 mm	366 x 566 x 1.5	1	6418677173660



PHFP33

Drop-stops

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PEE6	For 300 mm side, polypropylene	250 x 80 x 2	10	6418677172540
PEE7	For 400 mm side, polypropylene	360 x 80 x 2	5	6418677172557



PEE6

N and PE rails

Product code	Description	Length (mm)	Package size (pcs)	EAN 13 code
KN15.315	For 300 mm side, N + PE, Cu 2 x (2 x 16 / 13 x 6 mm ²)	250	1	6418677153020
KN16.330	For 300 mm side, N, Cu 4 x 16 / 26 x 6 mm ²	250	1	6418677153037
KN17.332	For 300 mm side, PE, Cu 4 x 16 / 28 x 6 mm ²	250	1	6418677153044
KN15.423	For 400 mm side, N + PE, Cu 2 x (2 x 16 / 21 x 6 mm ²)	350	1	6418677153051
KN16.436	For 400 mm side, N, Cu 4 x 16 / 32 x 6 mm ²	350	1	6418677153068
KN17.436	For 400 mm side, PE, Cu 4 x 16 / 32 x 6 mm ²	350	1	6418677153075



KN15.315

Plates

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Cover plates for flange openings, polycarbonate				
PCP3	For 300 mm side	227 x 95 x 11	1	6418677172427
PCP4	For 400 mm side	351 x 95 x 11	1	6418677172434
Knockout plates, polycarbonate				
PKOP3.1	For 300 mm side, 8 x Pg16 + 4 x Pg11/21	227 x 95 x 11	1	6418677172458
PKOP4.1	For 400 mm side, 8 x Pg16 + 4 x Pg11/21 + 2 x Pg29	351 x 95 x 11	1	6418677172489
PMP3.1	For 300 mm side, 4 x M16/25 + 8 x M20	227 x 95 x 11	1	6418677172472
PMP4.1	For 400 mm side, 4 x M16/25 + 8 x M20 + 2 x M40	351 x 95 x 11	1	6418677172496
SFS/F2 adapter plate, polycarbonate				
PSFS3	For 300 mm side	227 x 95 x 11	1	6418677172441
PSFS4	For 400 mm side	351 x 95 x 11	1	6418677172465



Cover plate, PCP3.



Knockout plate, PKOP3.1.



Knockout plate, PMP3.1.



SFS/F2 adapter plate, PSFS3.

Ensto Cubo P panel building system

Cable entries

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Cable entries				
PCE3	For 300 mm side, set for 1 cable ø 27-66 mm	227 x 95 x 71	1	6418677172717
PCE3.2	For 300 mm side, set for 2 cables ø 27-66 mm	227 x 95 x 71	1	6418677174834
PCE4	For 400 mm side, set for 1 cable ø 27-66 mm	351 x 95 x 71	1	6418677172724
PCE4.2	For 400 mm side, set for 2 cables ø 27-66 mm	351 x 95 x 71	1	6418677163777
PK69	Separate rubber grommet for cable ø 27-66 mm, set	100 x 86 x 60	1	6418677172748
PK69T	Cable grommet, set, ø 27-66 mm	108 x 89 x 60	1	6418677173585



Cable entry for 1 cable, PCE3.



Cable entry for 2 cables, PCE3.2.



Separate rubber grommet, PK69.



Cable grommet, set, PK69T.

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PFPL1848	Locking pin separately for Cubo P flanges, grey, PC	12 x 90	100	6418677172663
POT1	Pull-out tool for Cubo P locking pins	ø 50 x 175	1	6418677172533
PHI1	Hinge pair, for 300/600 mm cover side	40 x 65 x 16.5	1	6418677184987
PSFSC3.50	Extension frame for SFS flanges, incl. PSFS3 flange, F2 size, 50 mm deep, set for 300 mm side	216 x 86 x 50	1	6418677172526



Locking pin for Cubo P flanges, PFPL1848.



Pull-out tool for Cubo P locking pins, POT1.



Hinge pair, PHI1.

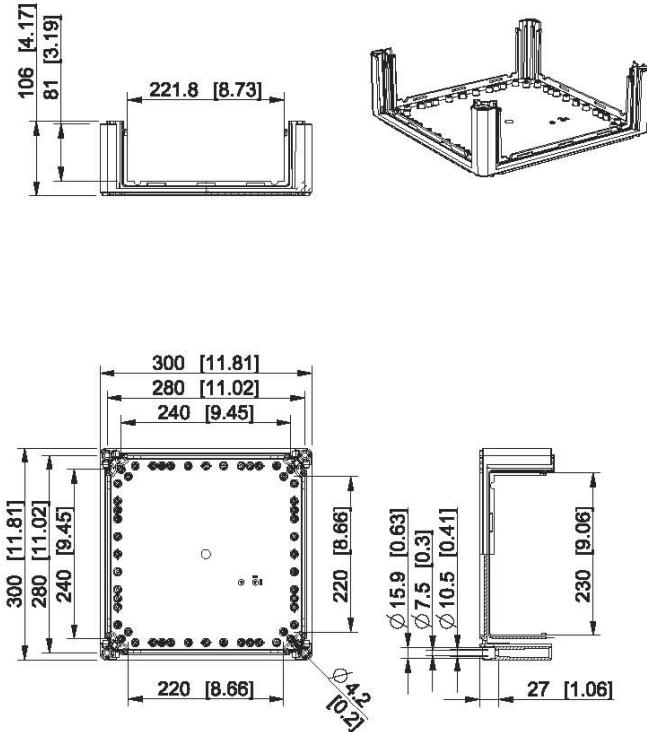


Extension frame for SFS flanges, PSFSC3.50.

Technical drawings, Ensto Cubo P

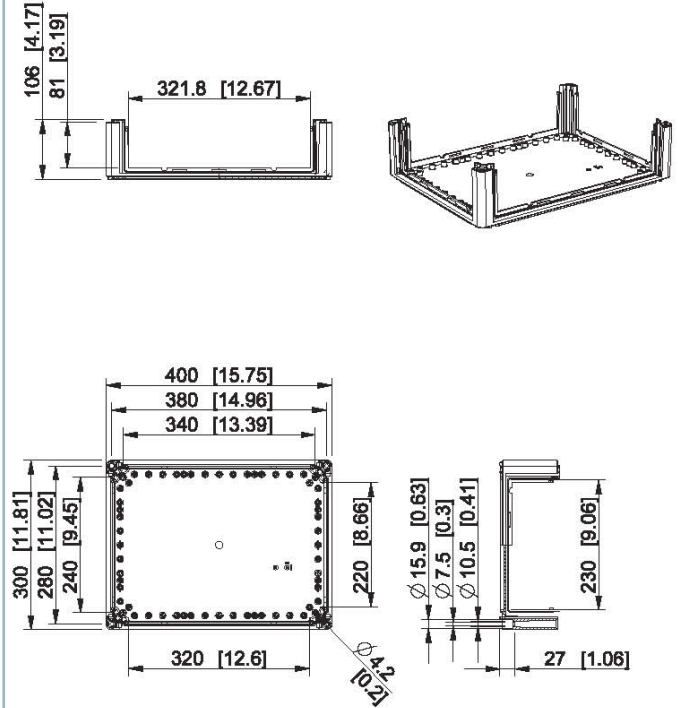
Measurements in mm [inch]

Ensto Cubo P 300 x 300 x 102 mm



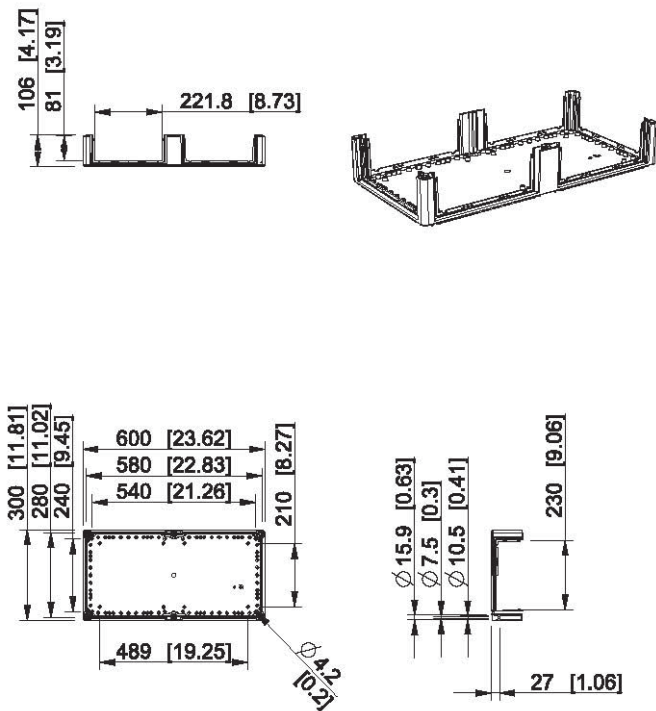
Product code PPCF303010B4
Description Cubo P base, 4 plate openings, polycarbonate

Ensto Cubo P 300 x 400 x 102 mm



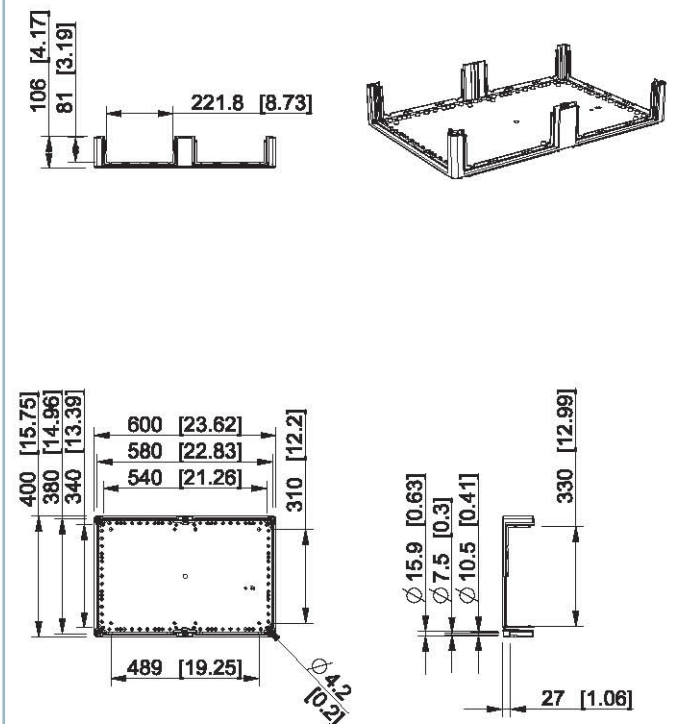
Product code PPCF304010B4
Description Cubo P base, 4 plate openings, polycarbonate

Ensto Cubo P 300 x 600 x 102 mm



Product code PPCF306010B6
Description Cubo P base, 6 plate openings, polycarbonate

Ensto Cubo P 400 x 600 x 102 mm



Product code PPCF406010B6
Description Cubo P base, 6 plate openings, polycarbonate

Ensto Cubo G junction boxes IP 66

Size 93 x 93 x 50 mm



Ensto Cubo G junction box in brief:

- Available in one size
- Equipped with metric knockouts in the base and on all four sides of the base part
- Has fixed fastening lugs
- Cover has a snap-in fit
- High degree of protection without gasket.

Contents of the product packages:

- Enclosure base
- Cover
- Cover screws

Customising services available for this product:

- Prints
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Technical information

Degree of protection:	IP 66
Flammability rating:	Material UL94 5VA

Material

Base/cover:	Fibreglass reinforced polycarbonate
Cover screws:	Steel

Knockout alternatives

PC enclosures:	Metric knockouts
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Standard colour

Base/cover:	Grey RAL 7035
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Material based technical information is available on page 5.



Protection class IP 66 has been achieved through the innovative construction of the cover, which includes a snap in fit and no gasket. No cover screws are needed.



The box is equipped with fixed fastening lugs.

Ensto Clampo Compact terminal blocks KR8031 are an ideal fit for the new junction box. The terminals can be mounted onto a DIN rail or directly onto the base with mounting pods. The picture shows an Ensto Cubo G junction box with two Ensto Clampo Compact terminals (KR8031), an end plate for direct mounting (PMR143) and four M20 size cable glands (KTM24.20).

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo G junction boxes

Ensto Cubo G junction boxes, polycarbonate

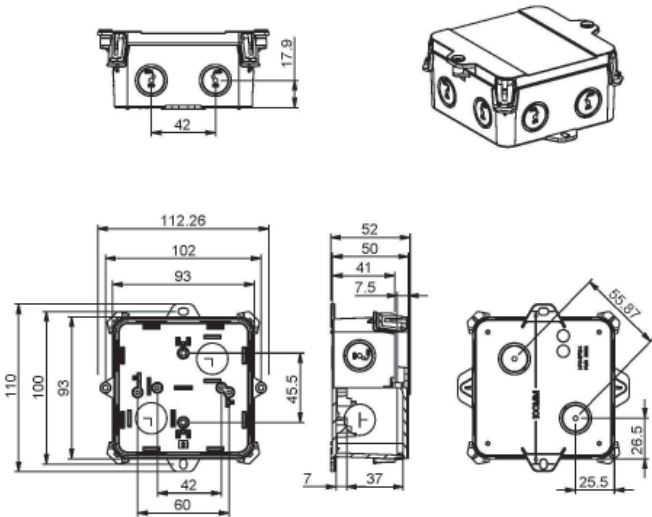
Product code	Knockouts	External dimensions (mm)			Package size (pcs)	EAN 13 code
		Width	Height	Depth		
GPCM090905G	2 x M20 on each side of the base, 2 x M20 in the bottom	93	93	50	1/18	6438100100285



Technical drawing, Ensto Cubo G

Measurements in mm [inch]

Ensto Cubo G 93 x 93 x 50 mm



This box is intentionally left empty.

Ensto Cubo R modular enclosures IP 65

Sizes 75 x 125 x 100 to 300 x 600 x 136 mm



Ensto Cubo R modular enclosure in brief:

- Ready-assembled product
- Available with plain sides, or with Pg/metric/flange knockouts
- Has a hinged window in front, facilitating control and service of the devices located inside the enclosure
- Available in 7 sizes
- Small modular enclosures (sizes 75 x 125 x 100 to 175 x 250 x 100 mm) are available for 2, 4, 6 and 10 modules
- Large modular enclosures (sizes 300 x 300 x 132 to 300 x 600 x 132 mm) are available for 12, 24 or 36 modules
- Also suitable for humid conditions
- Both the window and the cover are lockable/sealable.

Contents of the product package:

Small modular enclosures (2-10 modules)

- Enclosure base
- Cover with hinged window
- Cover screws
- Pre-mounted DIN rails

Large modular enclosures (12-36 modules)

- Enclosure base
- Cover with hinged window
- Cover screws
- Pre-mounted DIN rails
- DIN rail profiles
- Pre-mounted N/PE busbars
- Cover plate
- Marker

Conformity

PC enclosures:     

ABS enclosures:     

Technical information

Degree of protection: IP 65
Impact resistance: PC: IK 08 (-25 °C... +35 °C)
ABS: IK 08 (+35 °C)/IK 07 (-25 °C)
Flammability rating: PC: UL 94 V0/V2
ABS: UL 94 HB

Material

Base: ABS or fibreglass reinforced polycarbonate
Cover: ABS or polycarbonate
Cover screws: Fibreglass reinforced polyamide
Gasket: PUR (polyurethane)

Knockout alternatives

PC enclosures: Plain sides, metric, Pg and flange knockouts
ABS enclosures: Plain sides

Standard colour

Base: Grey RAL 7035
Cover: Grey RAL 7035, hinged window smoke-grey as standard, also available as transparent

Material based technical information available on page 5.



Large enclosures have a smoke-grey hinged window as standard. As an alternative, these enclosures are available with a transparent window.



The cover can be sealed with a standard cover screw.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo R modular enclosures

Small Ensto Cubo R modular enclosures with hinged window

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
With Pg knockouts, polycarbonate								
RPCK081308G/2M	For 2 modules	75	125	100	50	60.5/86	1	6418677173455
RPCK131308G/4M	For 4 modules	125	125	100	50	60.5/86	1	6418677173462
RPCK131808G/6M	For 6 modules	125	175	100	50	60.5/86	1	6418677173479
RPCK182508G/10M	For 10 modules	175	250	100	50	60.5/86	1	6418677173486
With plain sides, ABS								
RABP081308G/2M	For 2 modules	75	125	100	50	60.5/86	1	6418677173493
RABP131308G/4M	For 4 modules	125	125	100	50	60.5/86	1	6418677173509
RABP131808G/6M	For 6 modules	125	175	100	50	60.5/86	1	6418677173516
RABP182508G/10M	For 10 modules	175	250	100	50	60.5/86	1	6418677173523



RPCK131308G/4M

Large Ensto Cubo R modular enclosures with smoke-grey hinged window

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
With plain sides, polycarbonate								
RPCP33DS.12MT	For 12 modules 1 row	300	300	136	102	67.5/116	1	6418677182457
RPCP34DS.24MT	For 24 modules 2 rows	300	400	136	102	67.5/116	1	6418677182464
RPCP36DS.36MT	For 36 modules 3 rows	300	600	136	102	67.5/116	1	6418677182471
With plain sides, ABS								
RABP33DS.12MT	For 12 modules 1 row	300	300	136	102	67.5/116	1	6418677182518
RABP34DS.24MT	For 24 modules 2 rows	300	400	136	102	67.5/116	1	6418677182525
RABP36DS.36MT	For 36 modules 3 rows	300	600	136	102	67.5/116	1	6418677182532
With metric knockouts, polycarbonate								
RPCM33DS.12MT	For 12 modules 1 row	300	300	136	102	67.5/116	1	6418677182426
RPCM34DS.24MT	For 24 modules 2 rows	300	400	136	102	67.5/116	1	6418677182433
RPCM36DS.36MT	For 36 modules 3 rows	300	600	136	102	67.5/116	1	6418677182440
With flange knockouts, polycarbonate								
RPCF33DS.12MT	For 12 modules 1 row	300	300	136	102	67.5/116	1	6418677182488
RPCF34DS.24MT	For 24 modules 2 rows	300	400	136	102	67.5/116	1	6418677182495
RPCF36DS.36MT	For 36 modules 3 rows	300	600	136	102	67.5/116	1	6418677182501



RPCP33DS.12MT



RPCF34DS.24MT

Accessories for large modular enclosures (12 - 36 modules)

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
KN15.315	Rail, for 300 mm side, N + PE, Cu 2 x (2 x 16 / 13 x 6 mm ²)	Length 250 mm	1	6418677153020
KN16.330	Rail, for 300 mm side, N, Cu 4 x 16 / 26 x 6 mm ²	Length 250 mm	1	6418677153037
KN17.332	Rail, for 300 mm side, PE, Cu 4 x 16 / 28 x 6 mm ²	Length 250 mm	1	6418677153044
CP220	Cover plate for slits	220 x 50 x 7	10	6418677176661
PEM222	Marker, paper	216 x 34 x 0.1	20	6418677176678
KY6	Lock (for all modular covers)	-	1	6418677173431



Rail, N + PE, KN15.315.



Cover plate for slits, CP220.



Marker, PEM222.

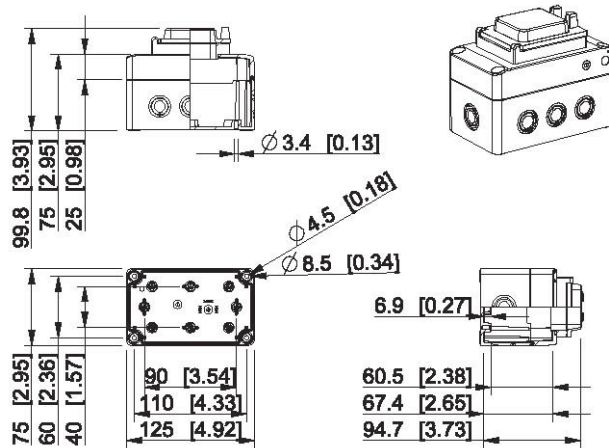


Lock, KY6.

Technical drawings, Ensto Cubo R

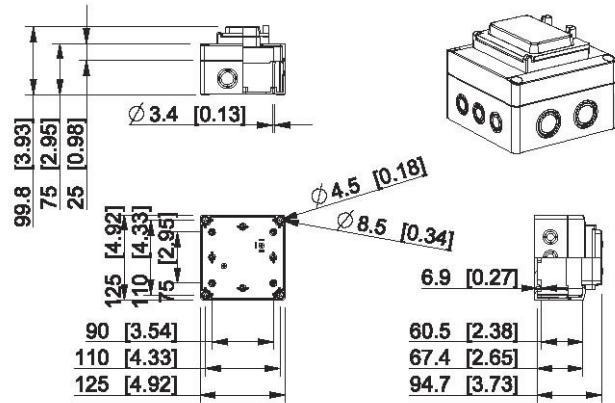
Measurements in mm [inch]

Ensto Cubo R 75 x 125 x 100 mm



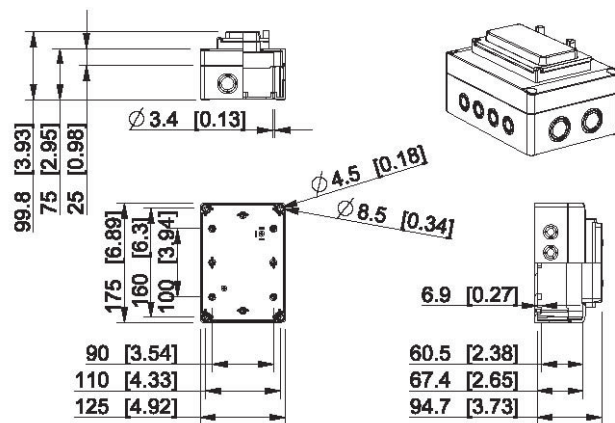
Product code	Description
RPCK081308G/2M	2 x Pg9/13.5 + 6 x Pg9/13.5, PC
RABP081308G/2M	Plain sides, ABS

Ensto Cubo R 125 x 125 x 100 mm



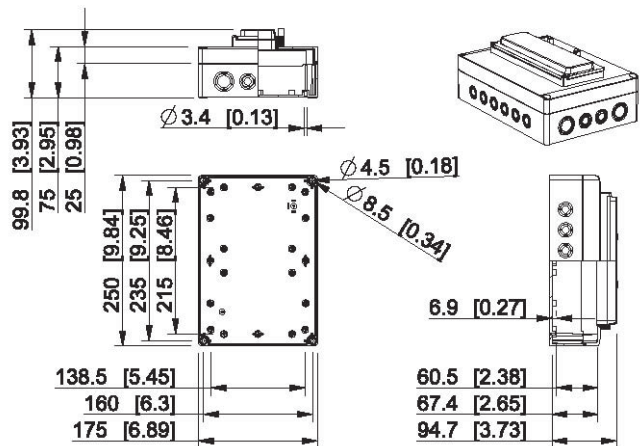
Product code	Description
RPCK131308G/4M	4 x Pg16/21 + 6 x Pg9/13.5, PC
RABP131308G/4M	Plain sides, ABS

Ensto Cubo R 125 x 175 x 100 mm



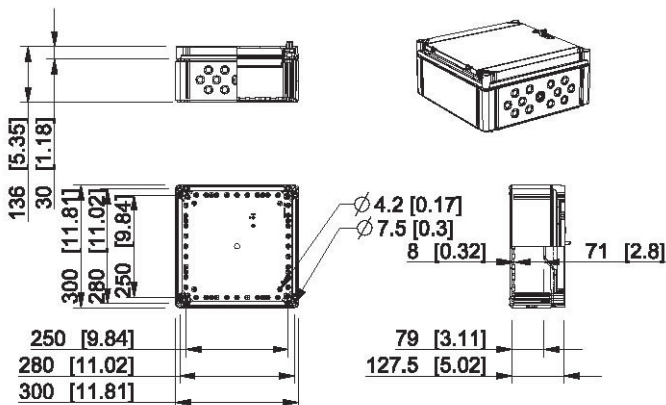
Product code	Description
RPCK131808G/6M	4 x Pg16/21 + 8 x Pg9/13.5, PC
RABP131808G/6M	Plain sides, ABS

Ensto Cubo R 175 x 250 x 100 mm



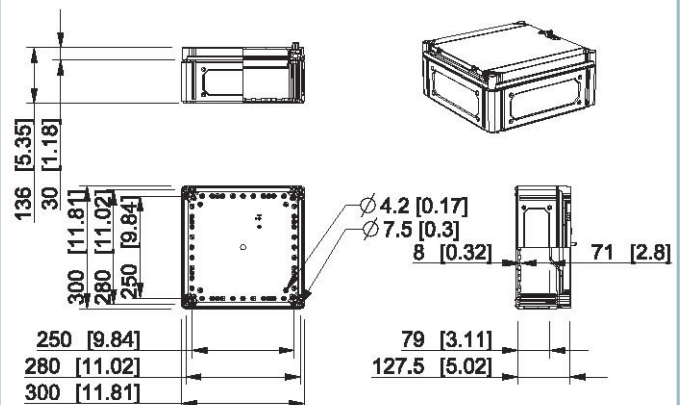
Product code	Description
RPCK182508G/10M	4 x Pg16/21 + 4 x Pg9/16 + 12 x Pg9/13.5, PC
RABP182508G/10M	Plain sides, ABS

Ensto Cubo R 300 x 300 x 136 mm



Product code	Description
RPCP33DS.12MT	Plain sides, polycarbonate
RABP33DS.12MT	Plain sides, ABS
RPCM33DS.12MT	12 x M20 + 1 x M16/25 + 8 x M20 + 4 x M25/40, PC

Ensto Cubo R 300 x 300 x 136 mm

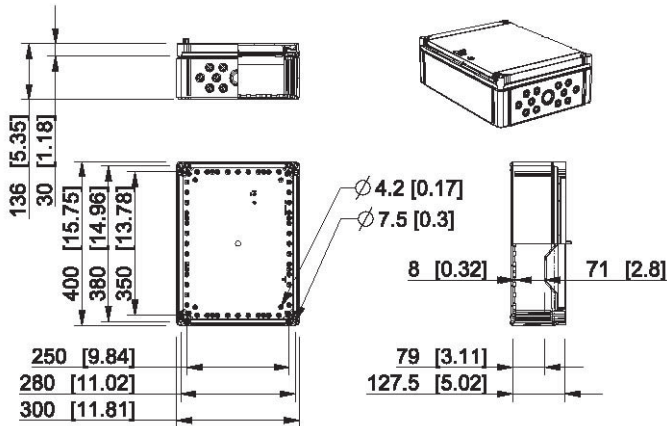


Product code	Description
RPCF33DS.12MT	4 x F2 knockout, PC

Technical drawings, Ensto Cubo R

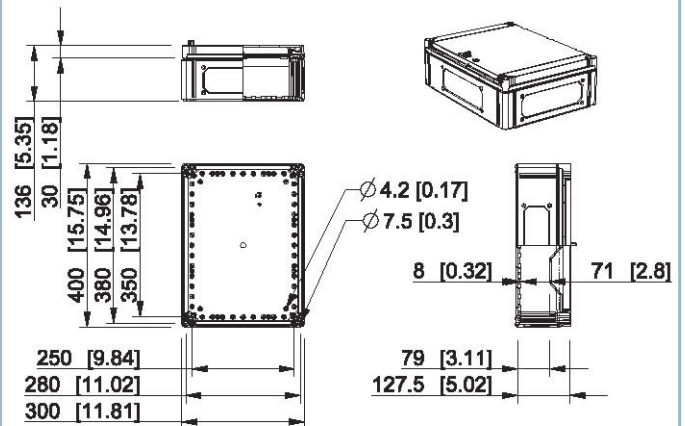
Measurements in mm [inch]

Ensto Cubo R 300 x 400 x 136 mm



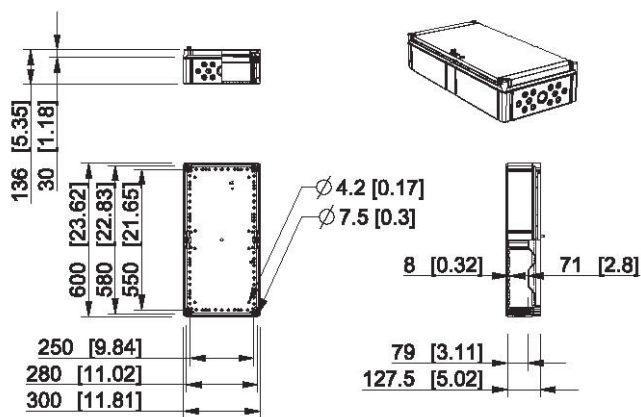
Product code	Description
RPCP34DS.24MT	Plain sides, polycarbonate
RABP34DS.24MT	Plain sides, ABS
RPCM34DS.24MT	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, PC

Ensto Cubo R 300 x 400 x 136 mm



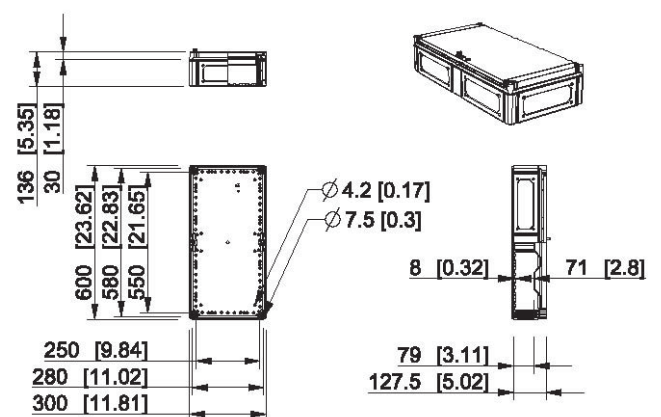
Product code	Description
RPCF34DS.24MT	4 x F2 knockout, PC

Ensto Cubo R 300 x 600 x 136 mm



Product code	Description
RPCP36DS.36MT	Plain sides, polycarbonate
RABP36DS.36MT	Plain sides, ABS
RPCM36DS.36MT	8 x M12/20 + 5 x M16/25 + 12 x M12/20 + 1 x M32/40, PC

Ensto Cubo R 300 x 600 x 136 mm



Product code	Description
RPCF36DS.36MT	6 x F2 knockout, PC

Ensto Cubo M enclosures IP 66

Sizes 75 x 80 x 55 to 400 x 405 x 120 mm



Ensto Cubo M enclosure in brief:

- Available with plain sides
- Dimensioned according to the European Norm enclosures
- Available in 13 sizes
- Has superb temperature resistance (-50 °C to +140 °C) with silicone gasket (on request only)
- Has sturdy construction and high resistance to corrosion and solvents
- Is suitable for highly demanding environments such as oil refineries and the petrochemical/chemical industries
- Is difficult to machine, for which reason ordering enclosures with ready-made cut-outs is recommended.

Contents of the product package:

- Enclosure base
- Cover
- Cover screws
- Mounting screws

Customising services available for this product:

- Machining
- Prints
- Assembly of components

Further information on our customising services is available on page 12.

Conformity

GRP enclosures: **CE**

Technical information

Degree of protection: IP 66

Impact resistance: 7 Nm

Material

Base/cover: Glass reinforced polyester (GRP)

Cover screws: Stainless steel

Gasket: Neophrhene

Knockout alternatives

GRP enclosures: Plain sides

Standard colour

Base/cover: Similar to grey RAL 7000

Material based technical information is available on page 5.



Ensto Cubo M enclosures have plain sides and captive cover screws of stainless steel.



Machining polyester enclosures is difficult, for which reason ordering customised enclosures is recommended.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo M enclosures

Ensto Cubo M enclosures with plain sides, polyester

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
MGRP080806		75	80	55	40	47.5	1	6418677165610
MGRP081106		75	110	55	40	47.5	1	6418677165627
MGRP081606		75	160	55	40	47.5	1	6418677165634
MGRP081906		75	190	55	40	47.5	1	6418677165641
MGRP121209		120	122	90	65	81.0	1	6418677165658
MGRP122209		120	220	90	65	82.0	1	6418677165672
MGRP161609		160	160	91	70	81.5	1	6418677165689
MGRP162609		160	260	91	70	80.0	1	6418677165702
MGRP163609		160	360	91	70	81.5	1	6418677165719
MGRP165609		160	560	91	70	81.5	1	6418677165726
MGRP252612		250	255	120	95	109.0	1	6418677165733
MGRP254012		250	400	120	95	109.0	1	6418677165757
MGRP404112		400	405	120	95	109.0	1	6418677165764



MGRP081906

Mounting plates and DIN rails

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Mounting plates, galvanized steel				
MMP0808B	For 75 x 80 mm enclosures	64 x 68 x 1.5	1	6418677157752
MMP0811B	For 75 x 110 mm enclosures	64 x 100 x 1.5	1	6418677157769
MMP0816B	For 75 x 160 mm enclosures	64 x 149 x 1.5	1	6418677157776
MMP0819B	For 75 x 190 mm enclosures	64 x 179 x 1.5	1	6418677157783
MMP1212B	For 120 x 122 mm enclosures	108 x 110 x 1.5	1	6418677157790
MMP1222B	For 120 x 220 mm enclosures	108 x 207 x 1.5	1	6418677157806
MMP1616B	For 160 x 160 mm enclosures	144 x 147 x 1.5	1	6418677157813
MMP1626B	For 160 x 260 mm enclosures	144 x 246 x 1.5	1	6418677157820
MMP1636B	For 160 x 360 mm enclosures	147 x 344 x 1.5	1	6418677157837
MMP1656B	For 160 x 560 mm enclosures	147 x 544 x 2.5	1	6418677157844
MMP2526B	For 250 x 255 mm enclosures	233 x 240 x 1.5	1	6418677157851
MMP2540B	For 250 x 400 mm enclosures	233 x 385 x 1.5	1	6418677157868
MMP4041B	For 400 x 405 mm enclosures	385 x 390 x 1.5	1	6418677157875
DIN rails, galvanized steel				
DR15.0808M	DIN 15, for 75 x 80 mm enclosures	15 x 65	1	6418677158018
DR15.0811	DIN 15, for 75 x 110 mm enclosures	15 x 95	1	6418677158025
DR15.0816	DIN 15, for 75 x 160 mm enclosures	15 x 145	1	6418677158032
DR15.0819	DIN 15, for 75 x 190 mm enclosures	15 x 175	1	6418677158063
DR35.1212	DIN 35, for 120 x 122 mm enclosures	35 x 105	1	6418677157059
DR35.1220	DIN 35, for 120 x 220 mm enclosures	35 x 205	1	6418677157066
DR35.1616	DIN 35, for 160 x 160 mm enclosures	35 x 145	1	6418677157080
DR35.1626	DIN 35, for 160 x 260 mm enclosures	35 x 245	1	6418677157097
DR35.1636	DIN 35, for 160 x 360 mm enclosures	35 x 345	1	6418677158070
DR35.1656	DIN 35, for 160 x 560 mm enclosures	35 x 545	1	6418677157103
DR35.2526	DIN 35, for 250 x 255 mm enclosures	35 x 235	1	6418677158087
DR35.2540.41	DIN 35, for 250 x 400 mm and 400 x 405 mm enclosures	35 x 380	1	6418677158094



MMP1616B



DR15.0808M

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
HMHI2	Hinge pair	25 x 40 x 11.5	1	6418677165443
HMFL4	Wall mounting lugs, set of 4 pcs, AISI 304	-	1	6418677165436



Hinge pair, HMHI2.

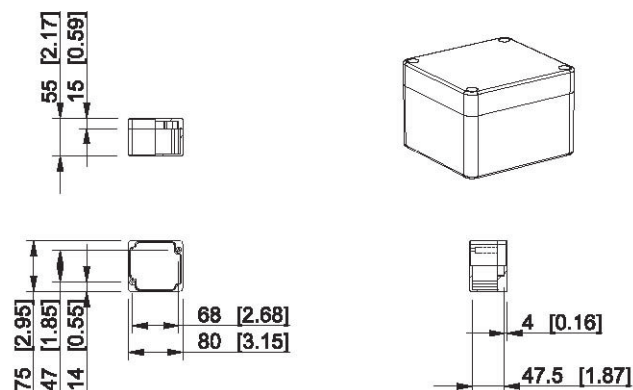


Fastening lug set, HMFL4.

Technical drawings, Ensto Cubo M

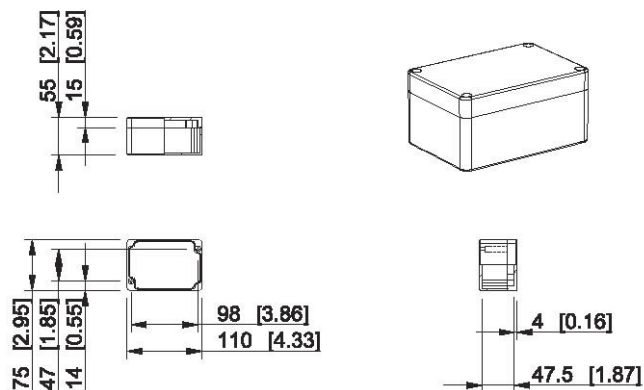
Measurements in mm [inch]

Ensto Cubo M 75 x 80 x 55 mm



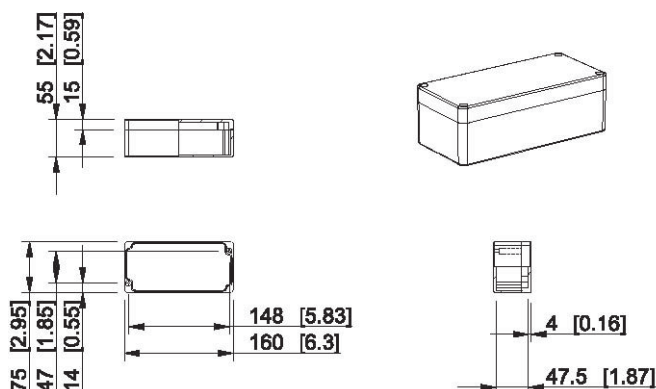
Product code MGRP080806
Description Plain sides, GRP

Ensto Cubo M 75 x 110 x 55 mm



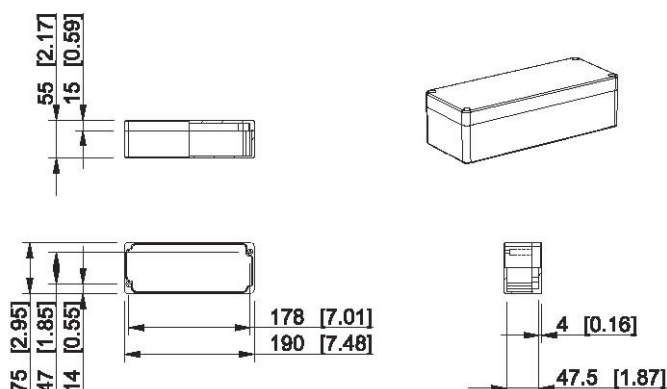
Product code MGRP081106
Description Plain sides, GRP

Ensto Cubo M 75 x 160 x 55 mm



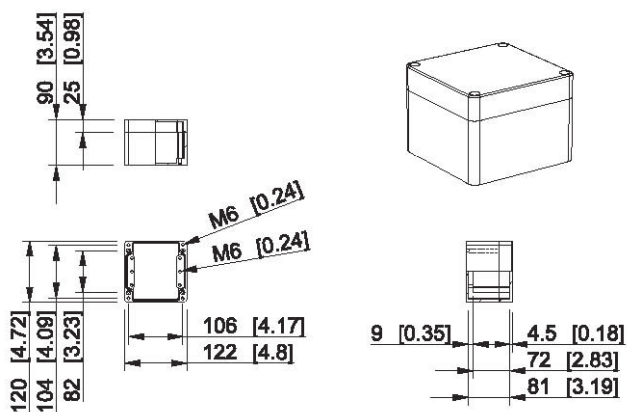
Product code MGRP081606
Description Plain sides, GRP

Ensto Cubo M 75 x 190 x 55 mm



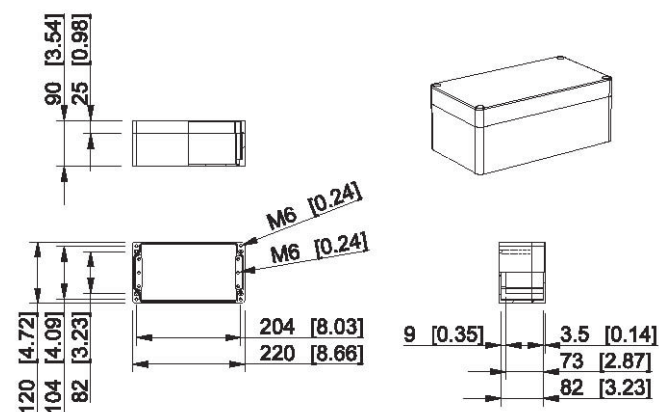
Product code MGRP081906
Description Plain sides, GRP

Ensto Cubo M 120 x 122 x 90 mm



Product code MGRP121209
Description Plain sides, GRP

Ensto Cubo M 120 x 220 x 90 mm

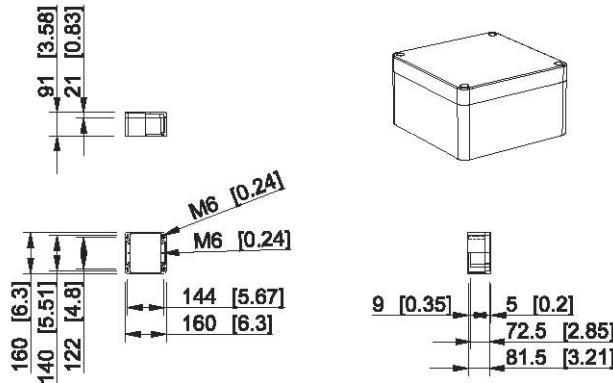


Product code MGRP122209
Description Plain sides, GRP

Technical drawings, Ensto Cubo M

Measurements in mm [inch]

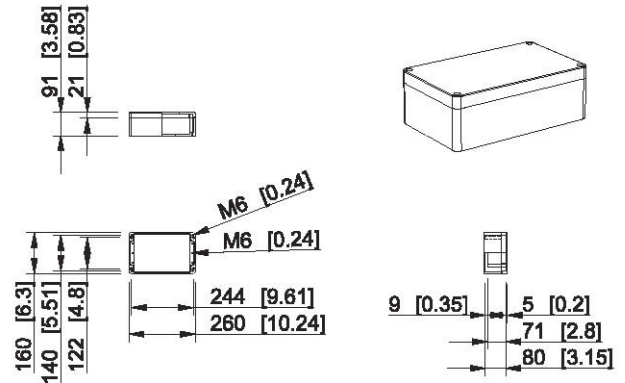
Ensto Cubo M 160 x 160 x 91 mm



Product code
MGRP161609

Description
Plain sides, GRP

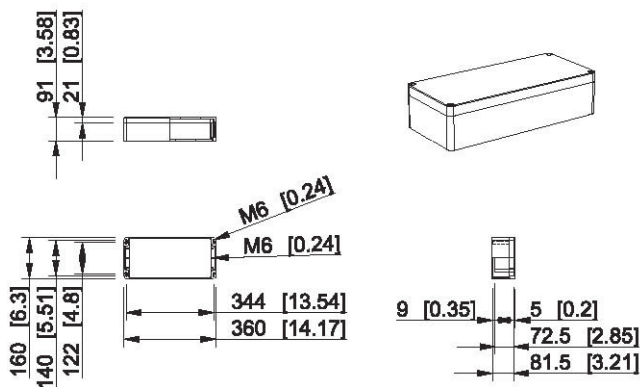
Ensto Cubo M 160 x 260 x 91 mm



Product code
MGRP162609

Description
Plain sides, GRP

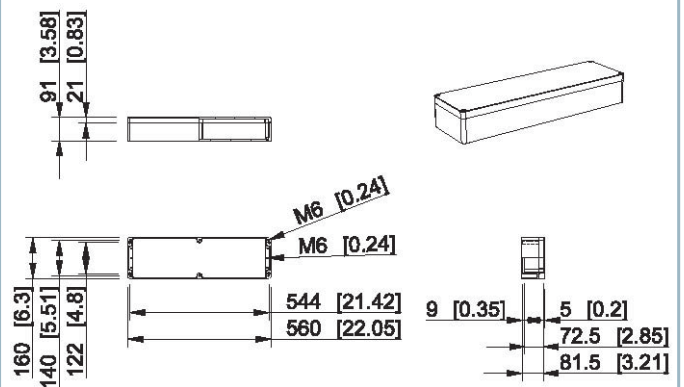
Ensto Cubo M 160 x 360 x 91 mm



Product code
MGRP163609

Description
Plain sides, GRP

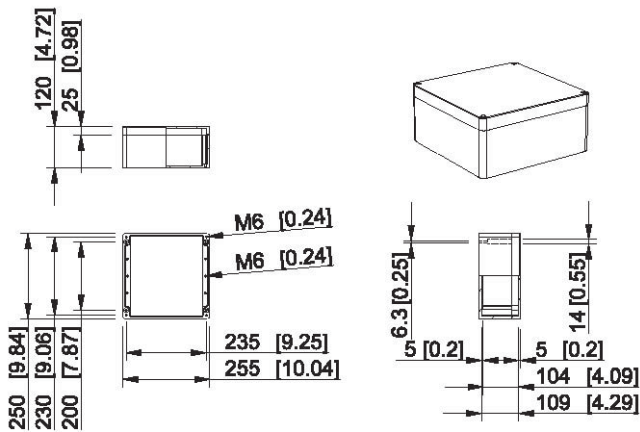
Ensto Cubo M 160 x 560 x 91 mm



Product code
MGRP165609

Description
Plain sides, GRP

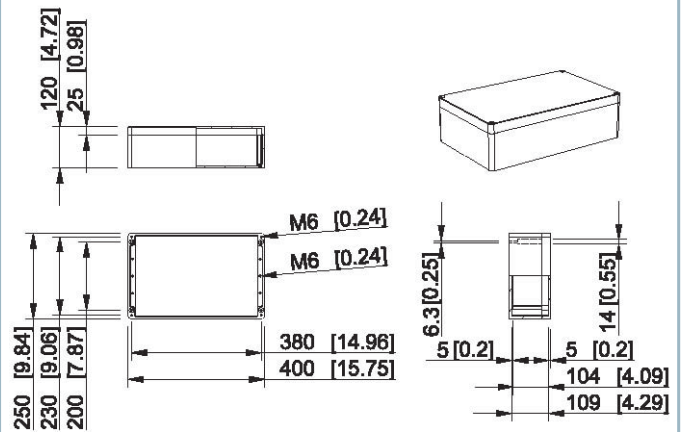
Ensto Cubo M 250 x 255 x 120 mm



Product code
MGRP252612

Description
Plain sides, GRP

Ensto Cubo M 250 x 400 x 120 mm



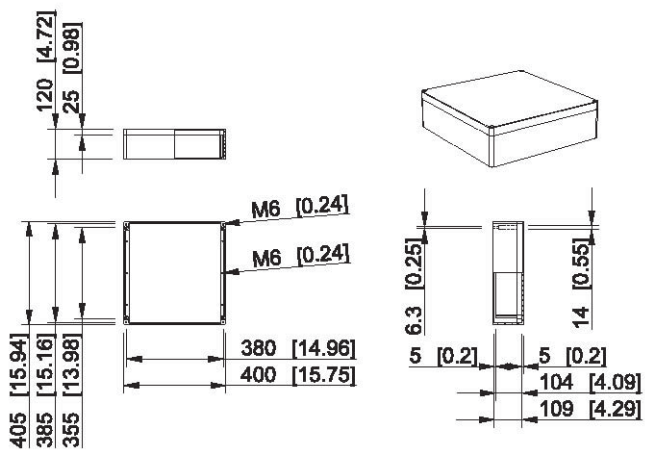
Product code
MGRP254012

Description
Plain sides, GRP

Technical drawings, Ensto Cubo M

Measurements in mm [inch]

Ensto Cubo M 400 x 405 x 120 mm



This box is intentionally left empty.

Product code
MGRP404112

Description
Plain sides, GRP

Metal enclosures

Sheet steel enclosures



Ensto Cubo E wall cabinets, IP 66
Sizes 200 x 300 x 150 to 1000 x 1200 x 300 mm
with plain sides or with flange openings 74



Ensto Cubo EO wall cabinets, IP 66
Sizes 190 x 240 x 138 to 480 x 960 x 248 mm
with flange knockouts 85



Ensto Cubo F terminal enclosures, IP 66
Sizes 150 x 150 x 80 to 800 x 400 x 120 mm
with plain sides or with flange openings, some models with polycarbonate window 92

Aluminium enclosures



Ensto Cubo H enclosures, IP 66
Sizes 50 x 45 x 30 to 310 x 601 x 180 mm
with plain sides..... 102

Ensto Cubo E wall cabinets IP 66, with two doors IP 55

Sizes 200 x 300 x 150 to 1000 x 1200 x 300 mm



Ensto Cubo E wall cabinet in brief:

- The standard models of polyester painted enclosures have flange openings, while standard stainless steel models have plain sides
- Available in 31 sizes
- Has welded M8 bolts for a mounting plate in the bottom of the base and M6 bolts for DIN rail profiles or DIN rails in the door
- Has M6 bolts for earthing on two sides of the base
- The door can be opened 110°
- The door can easily be changed from right to left-hand hinged
- Customer-specific dimensionings also available in small volumes at competitive prices
- Wall cabinets made of stainless steel AISI 316 available on request
- Polyester painted enclosures with wall mounting holes. Stainless steel versions with drill marks only.

Contents of the product package:

- Enclosure base
- Door
- Cover plate(s) for flange opening(s), bolts and nuts (polyester painted enclosures)
- Mounting plate with required nuts
- M8 bolt, washers and a nut for earth connection of the mounting plate
- Earth marks
- DIN 3 lock and one DIN 3 key
- Cover plugs for mounting holes (polyester painted enclosures) and hinge holes
- Nut and washers for M6 bolts

Customising services available for this product:

- Customer-specific dimensions
- Machining
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Conformity

Steel enclosures:



Technical information

Degree of protection: IP 66, with two doors IP 55
Impact resistance: IK 09 (-25 °C... +35 °C)

Material

Base/door: Polyester painted mild steel or stainless steel AISI 304
Gasket: PUR (polyurethane)
Mounting plate: Galvanized steel
Locks: Zinc plated brass in painted enclosures, AISI 304 or 316 in stainless steel enclosures
Hinges: Stainless steel

Knockout alternatives

Polyester painted mild steel cabinets: Flange openings
Stainless steel cabinets: Plain sides

Standard colour

Polyester painted mild steel cabinets: Grey RAL 7035

Material based technical information is available on page 5.



A rain shelter is recommended if a cabinet is used outdoors.



The enclosure has welded M8 bolts in the bottom of the base and M6 bolts in the door. There is also an M6 bolt for earthing on one side.

Ensto Cubo E wall cabinets

Ensto Cubo E wall cabinets with flange openings, polyester painted mild steel

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
EFEF203015A	With 1 flange opening	200	300	150	135	139	1	6418677158124
EFEF302015A	With 1 flange opening	300	200	150	135	139	1	6418677158131
EFEF303015A	With 1 flange opening	300	300	150	135	139	1	6418677158148
EFEF303020A	With 1 flange opening	300	300	200	185	189	1	6418677158155
EFEF304020A	With 1 flange opening	300	400	200	185	189	1	6418677158162
EFEF403015A	With 1 flange opening	400	300	150	135	139	1	6418677158179
EFEF403020A	With 1 flange opening	400	300	200	185	189	1	6418677158186
EFEF404020A	With 1 flange opening	400	400	200	185	189	1	6418677158193
EFEF404030A	With 1 flange opening	400	400	300	285	289	1	6418677158209
EFEF405020A	With 1 flange opening	400	500	200	185	189	1	6418677158216
EFEF406020A	With 1 flange opening	400	600	200	185	189	1	6418677158223
EFEF406030A	With 1 flange opening	400	600	300	285	289	1	6418677158230
EFEF505020A	With 2 flange openings	500	500	200	185	189	1	6418677158247
EFEF505030A	With 2 flange openings	500	500	300	285	289	1	6418677158254
EFEF506030A	With 2 flange openings	500	600	300	285	289	1	6418677158261
EFEF604020A	With 2 flange openings	600	400	200	185	189	1	6418677158278
EFEF604030A	With 2 flange openings	600	400	300	285	289	1	6418677158285
EFEF606020A	With 2 flange openings	600	600	200	185	189	1	6418677158292
EFEF606030A	With 2 flange openings	600	600	300	285	289	1	6418677158308
EFEF608020A	With 2 flange openings	600	800	200	185	189	1	6418677158315
EFEF608030A	With 2 flange openings	600	800	300	285	289	1	6418677158322
EFEF6010030A	With 2 flange openings	600	1000	300	285	289	1	6418677158339
EFEF6012030A	With 2 flange openings	600	1200	300	285	289	1	6418677158346
EFEF806030A	With 3 flange openings	800	600	300	285	289	1	6418677158353
EFEF808020A	With 3 flange openings	800	800	200	185	189	1	6418677158360
EFEF808030A	With 3 flange openings	800	800	300	285	289	1	6418677158377
EFEF8010030A	With 3 flange openings	800	1000	300	285	289	1	6418677158384
EFEF8012030A	With 3 flange openings	800	1200	300	285	289	1	6418677158391
EFEF1008030A	With 4 flange openings	1000	800	300	285	289	1	6418677158407
EFEF10010030A	With 4 flange openings	1000	1000	300	285	289	1	6418677158414
EFEF10012030A	With 4 flange openings	1000	1200	300	285	289	1	6418677158421
EFEF808030DA	With 3 flange openings, two doors	800	800	300	285	289	1	6418677158438
EFEF8010030DA	With 3 flange openings, two doors	800	1000	300	285	289	1	6418677158445
EFEF10010030DA	With 4 flange openings, two doors	1000	1000	300	285	289	1	6418677158452
EFEF10012030DA	With 4 flange openings, two doors	1000	1200	300	285	289	1	6418677158469



EFEF203015A



EFEF6010030A



EFEF808030DA

Ensto Cubo E wall cabinets with plain sides, stainless steel

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
ESSP203015		200	300	150	135	139	1	6418677179518
ESSP302015		300	200	150	135	139	1	6418677179525
ESSP303015		300	300	150	135	139	1	6418677179532
ESSP303020		300	300	200	185	189	1	6418677179549
ESSP304020		300	400	200	185	189	1	6418677179556
ESSP403015		400	300	150	135	139	1	6418677179563
ESSP403020		400	300	200	185	189	1	6418677179570
ESSP404020		400	400	200	185	189	1	6418677179587
ESSP404030		400	400	300	285	289	1	6418677179594
ESSP405020		400	500	200	185	189	1	6418677179600
ESSP406020		400	600	200	185	189	1	6418677179617
ESSP406030		400	600	300	285	289	1	6418677179624
ESSP505020		500	500	200	185	189	1	6418677179631
ESSP505030		500	500	300	285	289	1	6418677179648
ESSP506030		500	600	300	285	289	1	6418677179655
ESSP604020		600	400	200	185	189	1	6418677179662
ESSP604030		600	400	300	285	289	1	6418677179679
ESSP606020		600	600	200	185	189	1	6418677179686
ESSP606030		600	600	300	285	289	1	6418677179693
ESSP608020		600	800	200	185	189	1	6418677179709
ESSP608030		600	800	300	285	289	1	6418677179716
ESSP6010030		600	1000	300	285	289	1	6418677179723
ESSP6012030		600	1200	300	285	289	1	6418677179730
ESSP806030		800	600	300	285	289	1	6418677179747
ESSP808020		800	800	200	185	189	1	6418677179754
ESSP808030		800	800	300	285	289	1	6418677179761
ESSP8010030		800	1000	300	285	289	1	6418677179778
ESSP8012030		800	1200	300	285	289	1	6418677179785
ESSP1008030		1000	800	300	285	289	1	6418677179792



ESSP303015



ESSP406030

Ensto Cubo E wall cabinets

Ensto Cubo E wall cabinets with plain sides, stainless steel

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
ESSP10010030		1000	1000	300	285	289	1	6418677179808
ESSP10012030		1000	1200	300	285	289	1	6418677179815
ESSP808030D	Two doors	800	800	300	285	289	1	6418677179822
ESSP8010030D	Two doors	800	1000	300	285	289	1	6418677179839
ESSP10010030D	Two doors	1000	1000	300	285	289	1	6418677179846
ESSP10012030D	Two doors	1000	1200	300	285	289	1	6418677179853

Rain shelters

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Painted, RAL 7035				
ERS2015A	For size EFEF203015A	165 x 205	1	6418677159541
ERS3015A	For size EFEF30xx15A	165 x 305	1	6418677159558
ERS4015A	For size EFEF403015A	165 x 405	1	6418677159565
ERS3020A	For size EFEF30xx20A	220 x 305	1	6418677159572
ERS4020A	For size EFEF40xx20A	220 x 405	1	6418677159589
ERS5020A	For size EFEF505020A	220 x 505	1	6418677159596
ERS6020A	For size EFEF60xx20A	220 x 605	1	6418677159602
ERS8020A	For size EFEF808020A	220 x 805	1	6418677159619
ERS4030A	For size EFEF40xx30A	320 x 405	1	6418677159626
ERS5030A	For size EFEF50xx30A	320 x 505	1	6418677159633
ERS6030A	For size EFEF60xx30A	320 x 605	1	6418677159640
ERS8030A	For size EFEF80xx30A	320 x 805	1	6418677159657
ERS10030A	For size EFEF100xx30A	320 x 1005	1	6418677159664
Stainless steel				
ERS2015B	For size ESSP203015	165 x 205	1	6418677176005
ERS3015B	For size ESSP30xx15	165 x 305	1	6418677176012
ERS4015B	For size ESSP403015	165 x 405	1	6418677176029
ERS3021B	For size ESSP30xx20	220 x 305	1	6418677176036
ERS4021B	For size ESSP40xx20	220 x 405	1	6418677176043
ERS5021B	For size ESSP505020	220 x 505	1	6418677176050
ERS6021B	For size ESSP60xx20	220 x 605	1	6418677176067
ERS8021B	For size ESSP808020	220 x 805	1	6418677176074
ERS4031B	For size ESSP40xx30	320 x 405	1	6418677176081
ERS5031B	For size ESSP50xx30	320 x 505	1	6418677176098
ERS6031B	For size ESSP60xx30	320 x 605	1	6418677176104
ERS8031B	For size ESSP80xx30	320 x 805	1	6418677176111
ERS10031B	For size ESSP100xx30	320 x 1005	1	6418677176128



ERS2015A



ERS2015B

Mounting plates

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Mounting plates, galvanized steel				
EMP23	For 200 x 300 mm enclosures	270 x 150 x 2	1	6418677199240
EMP32	For 300 x 200 mm enclosures	170 x 250 x 2	1	6418677199257
EMP33	For 300 x 300 mm enclosures	270 x 250 x 2	1	6418677199264
EMP34	For 300 x 400 mm enclosures	370 x 250 x 2	1	6418677199271
EMP43	For 400 x 300 mm enclosures	270 x 350 x 2	1	6418677199288
EMP44	For 400 x 400 mm enclosures	370 x 350 x 2	1	6418677199295
EMP45	For 400 x 500 mm enclosures	470 x 350 x 2.5	1	6418677199301
EMP46	For 400 x 600 mm enclosures	570 x 350 x 2.5	1	6418677199318
EMP55	For 500 x 500 mm enclosures	470 x 450 x 2.5	1	6418677199325
EMP56	For 500 x 600 mm enclosures	570 x 450 x 2.5	1	6418677199332
EMP64	For 600 x 400 mm enclosures	370 x 550 x 2.5	1	6418677199349
EMP66	For 600 x 600 mm enclosures	570 x 550 x 2.5	1	6418677199356
EMP68	For 600 x 800 mm enclosures	770 x 550 x 3	1	6418677199363
EMP610	For 600 x 1000 mm enclosures	970 x 550 x 3	1	6418677199370
EMP612	For 600 x 1200 mm enclosures	1170 x 550 x 3	1	6418677199387
EMP86	For 800 x 600 mm enclosures	570 x 750 x 3	1	6418677199394
EMP88	For 800 x 800 mm enclosures	770 x 750 x 3	1	6418677199400
EMP810	For 800 x 1000 mm enclosures	970 x 750 x 3	1	6418677199417
EMP812	For 800 x 1200 mm enclosures	1170 x 750 x 3	1	6418677199424
EMP108	For 1000 x 800 mm enclosures	750 x 970 x 3	1	6418677199431
EMP1010	For 1000 x 1000 mm enclosures	970 x 950 x 3	1	6418677199448
EMP1012	For 1000 x 1200 mm enclosures	1170 x 950 x 3	1	6418677199455



EMP23

Ensto Cubo E wall cabinets

DIN rails and DIN rail profiles

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
DIN rails for base, DIN 35, galvanized steel				
DR3520B	For base, 200 mm side, pair	35 x 122	10	6418677176371
DR3530B	For base, 300 mm side, pair	35 x 222	10	6418677176388
DR3540B	For base, 400 mm side, pair	35 x 322	10	6418677176395
DR3550B	For base, 500 mm side, pair	35 x 422	5	6418677176401
DR3560B	For base, 600 mm side, pair	35 x 522	5	6418677176418
DR3580B	For base, 800 mm side, pair	35 x 722	5	6418677176425
DR35100B	For base, 1000 mm side, pair	35 x 922	5	6418677176432
DIN rail profiles for base, galvanized steel				
EBP20	For base, 200 mm side, pair	20 x 143	1	6418677176289
EBP30	For base, 300 mm side, pair	20 x 243	1	6418677176296
EBP40	For base, 400 mm side, pair	20 x 343	1	6418677176302
EBP50	For base, 500 mm side, pair	20 x 443	1	6418677176319
EBP60	For base, 600 mm side, pair	20 x 543	1	6418677176326
EBP80	For base, 800 mm side, pair	20 x 743	1	6418677176333
EBP100	For base, 1000 mm side, pair	20 x 943	1	6418677176340
EBP120	For base, 1200 mm side, pair	20 x 1143	1	6418677176357
DIN rails for door, DIN 35, galvanized steel				
DR3520D	For door, 200 mm side, pair	35 x 76	10	6418677176456
DR3530D	For door, 300 mm side, pair	35 x 176	10	6418677176463
DR3540D	For door, 400 mm side, pair	35 x 276	10	6418677176470
DR3550D	For door, 500 mm side, pair	35 x 376	5	6418677176487
DR3560D	For door, 600 mm side, pair	35 x 476	5	6418677176494
DR3580D	For door, 800 mm side, pair	35 x 676	5	6418677176500
DR35100D	For door, 1000 mm side, pair	35 x 876	5	6418677176517
DIN rail profiles for door, galvanized steel				
EDP20	For door, 200 mm side, pair	15 x 133	1	6418677176180
EDP30	For door, 300 mm side, pair	15 x 233	1	6418677176197
EDP40	For door, 400 mm side, pair	15 x 333	1	6418677176203
EDP50	For door, 500 mm side, pair	15 x 433	1	6418677176210
EDP60	For door, 600 mm side, pair	15 x 533	1	6418677176227
EDP80	For door, 800 mm side, pair	15 x 733	1	6418677176234
EDP100	For door, 1000 mm side, pair	15 x 933	1	6418677176241
EDP120	For door, 1200 mm side, pair	15 x 1133	1	6418677176258



DIN rail profiles for base, EBP20.



DIN rail profiles for door, EDP20.

Cover plates and flanges

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Cover plates and flanges				
EVF2A	Ventilation flange F2 size	93 x 222 x 7,5	1	6418677159671
ECF1A	Cover plate F1 size	48 x 137 x 7,5	1	6418677159688
ECF2A	Cover plate F2 size	93 x 222 x 7,5	1	6418677159695



Ventilation flange F2 size, EVF2A.



Cover plate F1 size, ECF1A.

Ensto Cubo E wall cabinets

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
ED10	Triangular lock with 11 mm key	ø 28 x 32 x ø 22	1	6418677176531
ED10M6	Lock with wing handle, width 50 mm	50 x 45 x ø 22	1	6418677176548
EKL1	Lock incl. 2 keys	ø 27 x 33 x ø 22	1	6418677176555
EH1	Black swing handle for three point locking	48 x 180 x 50	1	6418677176579
EDS2	Door stopper, set, galvanized steel	-	1	6438100102265
EG200	Door grounding, M6>M6, 2.5 mm ²	L=220	5	6418677199615
EFFL2.20	Fastening lugs, 20 mm high, set of 4 pcs	-	1	6419677199622
EFFL2.50	Fastening lugs, 50 mm high, set of 4 pcs	-	1	6419677199639
EFLM4	Counter part for fastening lugs, set of 4 pcs	-	1	6418677199608
OLT42KEY	DIN 3 key for standard lock	50 x 53 x ø22	10	6418677172410



Triangular lock with 11 mm key, ED10.



Lock with wing handle, ED10M6.



Lock incl. 2 keys, EKL1.



Black swing handle for three point locking, EH1.



Door stopper, set, EDS2.



Door grounding, EG200.



Fastening lugs, 20 mm high, EFFL2.20.



Counter part for fastening lugs, EFLM4.

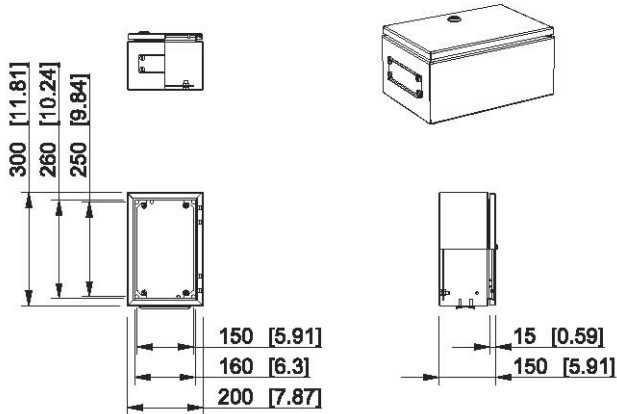


DIN 3 key for standard lock, OLT42KEY.

Technical drawings, Ensto Cubo E

Measurements in mm [inch]

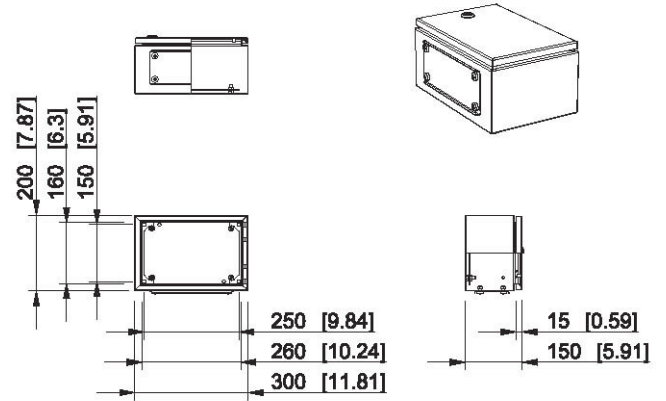
Ensto Cubo E 200 x 300 x 150 mm



Product code
EFEF203015A
ESSP203015

Description
One flange opening, polyester painted mild steel
Plain sides, stainless steel

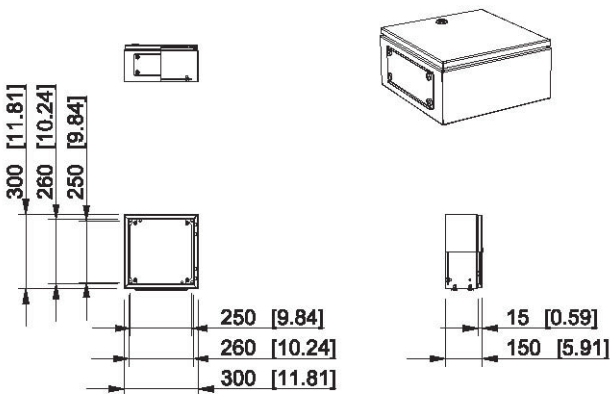
Ensto Cubo E 300 x 200 x 150 mm



Product code
EFEF302015A
ESSP302015

Description
One flange opening, polyester painted mild steel
Plain sides, stainless steel

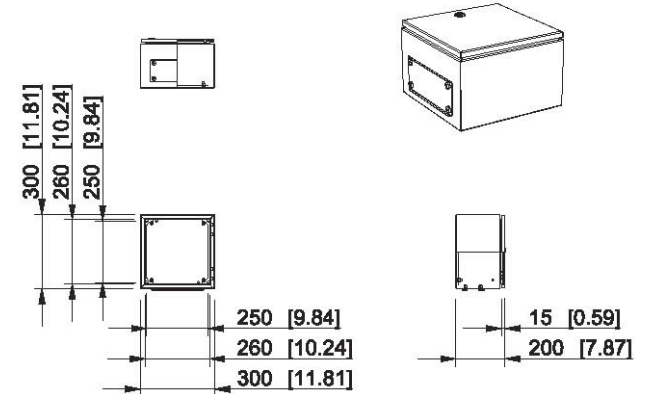
Ensto Cubo E 300 x 300 x 150 mm



Product code
EFEF303015A
ESSP303015

Description
One flange opening, polyester painted mild steel
Plain sides, stainless steel

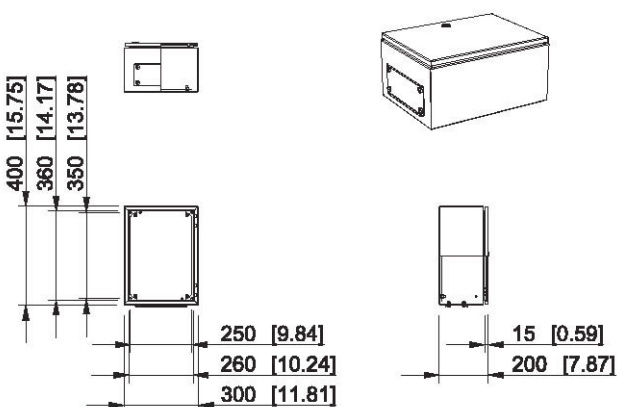
Ensto Cubo E 300 x 300 x 200 mm



Product code
EFEF303020A
ESSP303020

Description
One flange opening, polyester painted mild steel
Plain sides, stainless steel

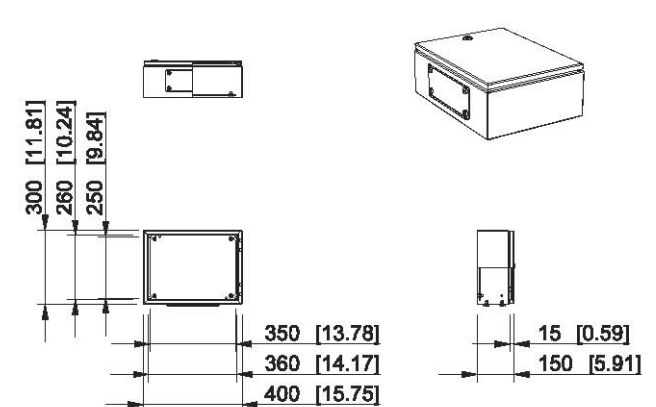
Ensto Cubo E 300 x 400 x 200 mm



Product code
EFEF304020A
ESSP304020

Description
One flange opening, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo E 400 x 300 x 150 mm



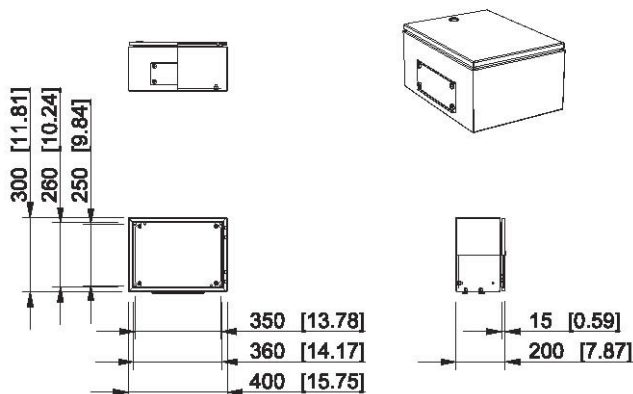
Product code
EFEF403015A
ESSP403015

Description
One flange opening, polyester painted mild steel
Plain sides, stainless steel

Technical drawings, Ensto Cubo E

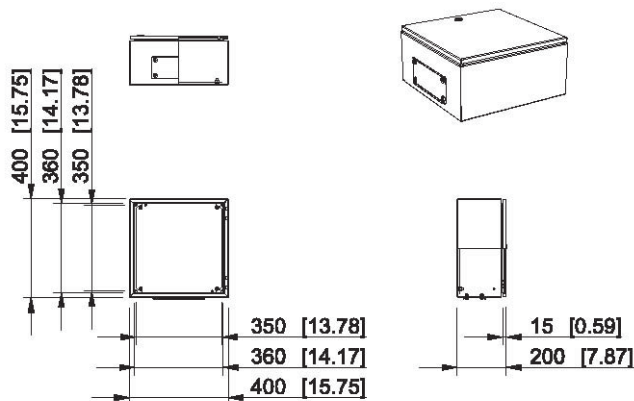
Measurements in mm [inch]

Ensto Cubo E 400 x 300 x 200 mm



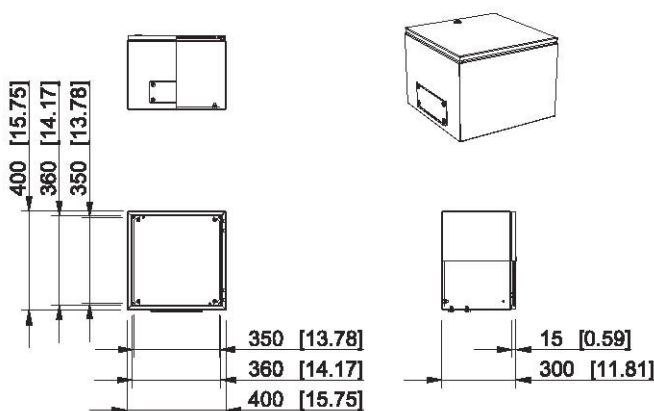
Product code	Description
EFEF403020A	One flange opening, polyester painted mild steel
ESSP403020	Plain sides, stainless steel

Ensto Cubo E 400 x 400 x 200 mm



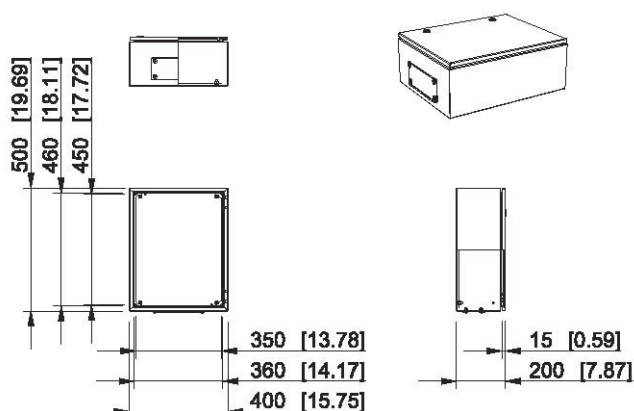
Product code	Description
EFEF404020A	One flange opening, polyester painted mild steel
ESSP404020	Plain sides, stainless steel

Ensto Cubo E 400 x 400 x 300 mm



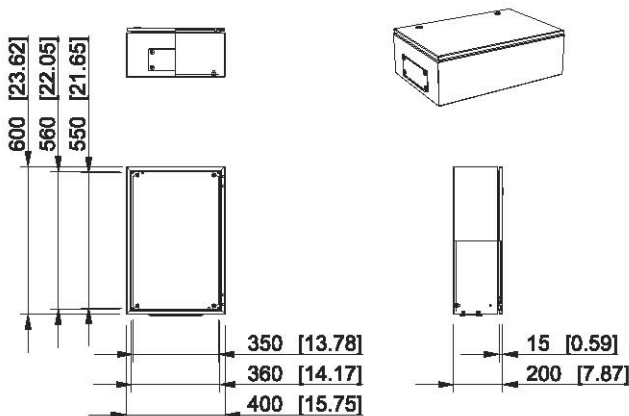
Product code	Description
EFEF404030A	One flange opening, polyester painted mild steel
ESSP404030	Plain sides, stainless steel

Ensto Cubo E 400 x 500 x 200 mm



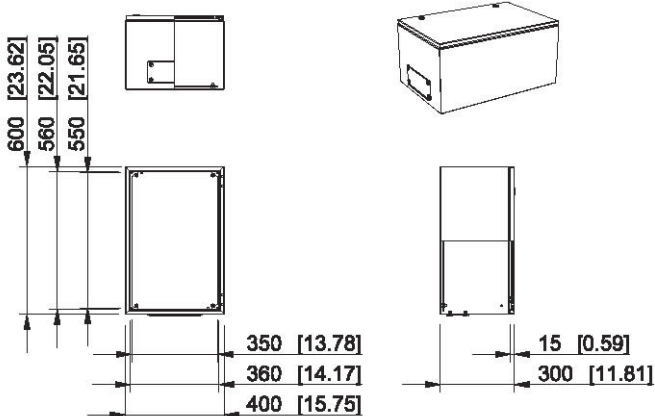
Product code	Description
EFEF405020A	One flange opening, polyester painted mild steel
ESSP405020	Plain sides, stainless steel

Ensto Cubo E 400 x 600 x 200 mm



Product code	Description
EFEF406020A	One flange opening, polyester painted mild steel
ESSP406020	Plain sides, stainless steel

Ensto Cubo E 400 x 600 x 300 mm

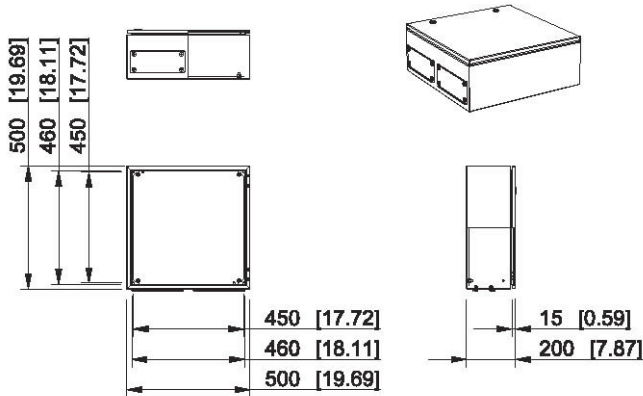


Product code	Description
EFEF406030A	One flange opening, polyester painted mild steel
ESSP406030	Plain sides, stainless steel

Technical drawings, Ensto Cubo E

Measurements in mm [inch]

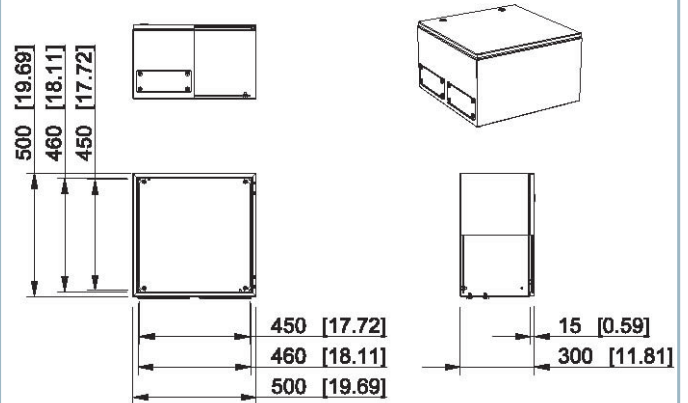
Ensto Cubo E 500 x 500 x 200 mm



Product code
EFEF505020A
ESSP505020

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

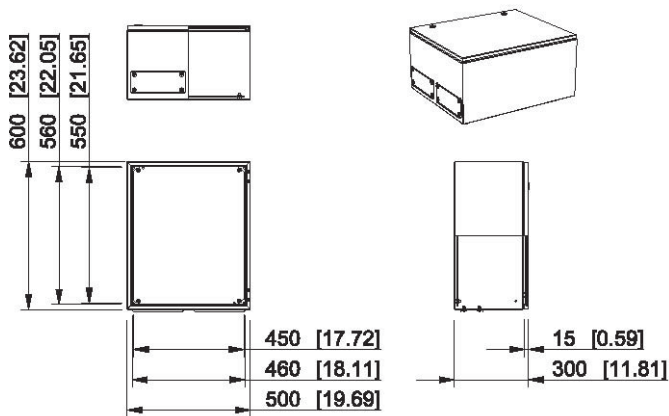
Ensto Cubo E 500 x 500 x 300 mm



Product code
EFEF505030A
ESSP505030

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

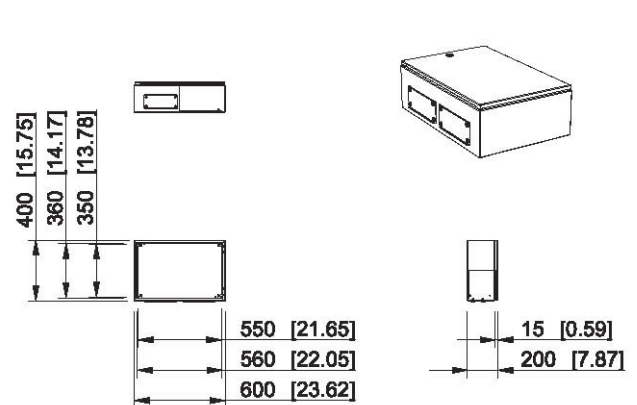
Ensto Cubo E 500 x 600 x 300 mm



Product code
EFEF506030A
ESSP506030

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

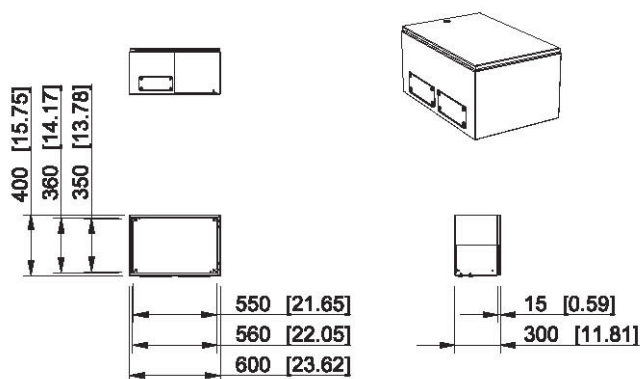
Ensto Cubo E 600 x 400 x 200 mm



Product code
EFEF604020A
ESSP604020

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

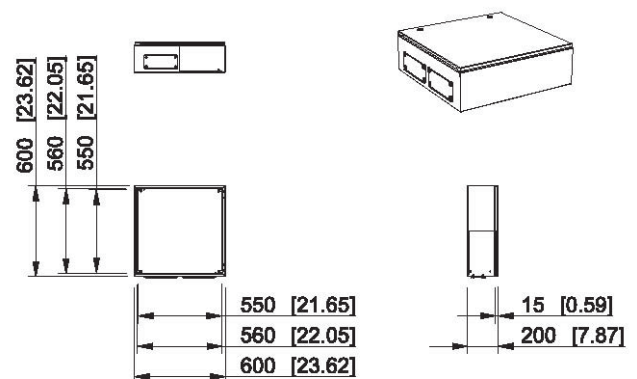
Ensto Cubo E 600 x 400 x 300 mm



Product code
EFEF604030A
ESSP604030

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo E 600 x 600 x 200 mm



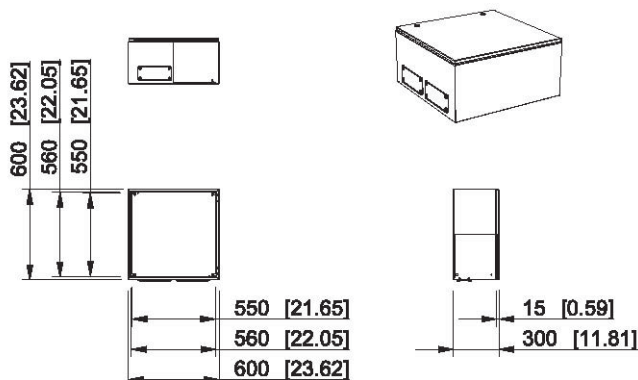
Product code
EFEF606020A
ESSP606020

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

Technical drawings, Ensto Cubo E

Measurements in mm [inch]

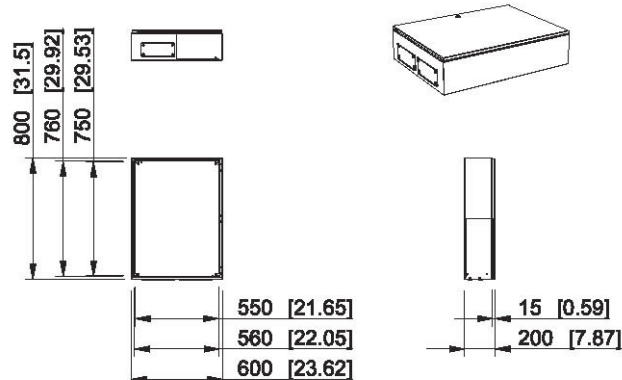
Ensto Cubo E 600 x 600 x 300 mm



Product code
EFEF606030A
ESSP606030

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

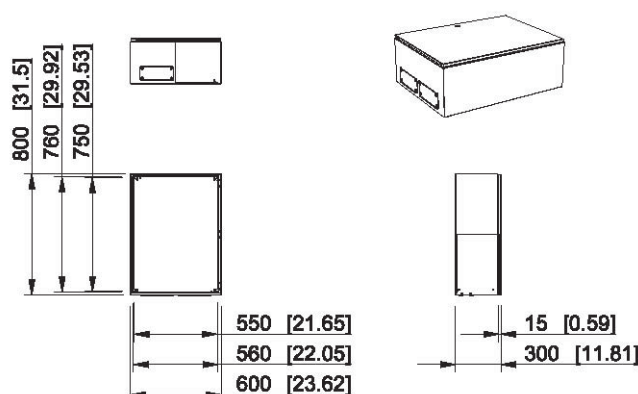
Ensto Cubo E 600 x 800 x 200 mm



Product code
EFEF608020A
ESSP608020

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

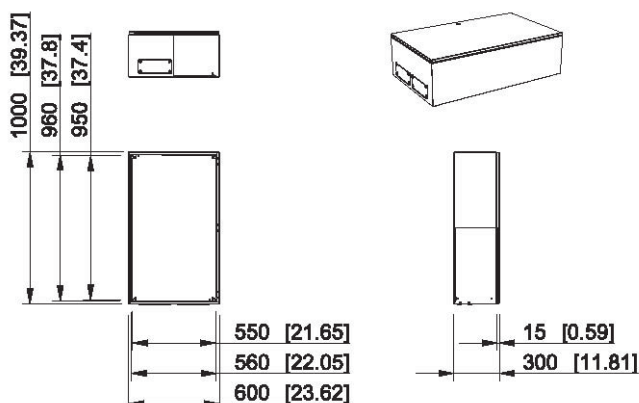
Ensto Cubo E 600 x 800 x 300 mm



Product code
EFEF608030A
ESSP608030

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

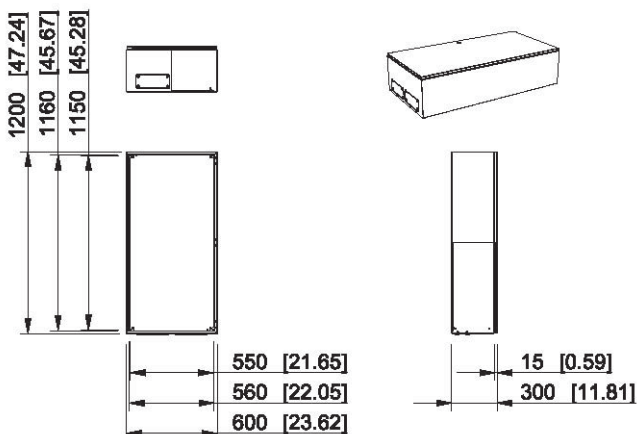
Ensto Cubo E 600 x 1000 x 300 mm



Product code
EFEF6010030A
ESSP6010030

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

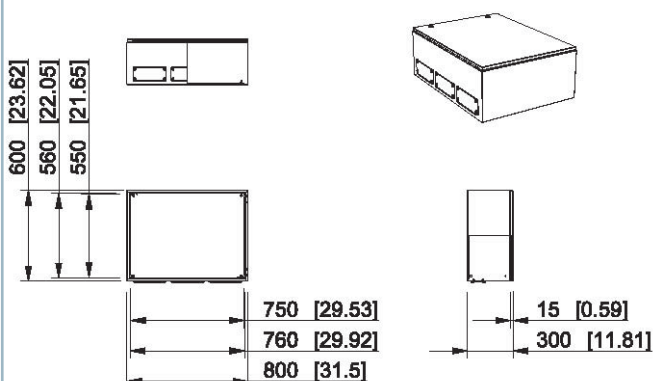
Ensto Cubo E 600 x 1200 x 300 mm



Product code
EFEF6012030A
ESSP6012030

Description
2 flange openings, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo E 800 x 600 x 300 mm



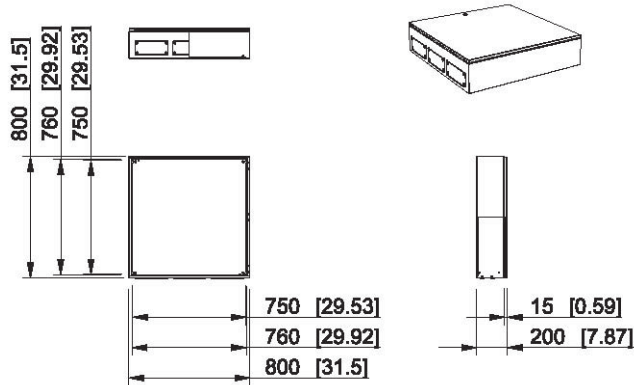
Product code
EFEF806030A
ESSP806030

Description
3 flange openings, polyester painted mild steel
Plain sides, stainless steel

Technical drawings, Ensto Cubo E

Measurements in mm [inch]

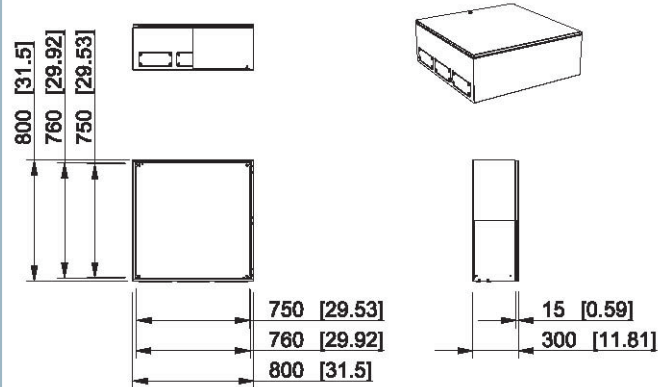
Ensto Cubo E 800 x 800 x 200 mm



Product code
EFEF808020A
ESSP808020

Description
3 flange openings, polyester painted mild steel
Plain sides, stainless steel

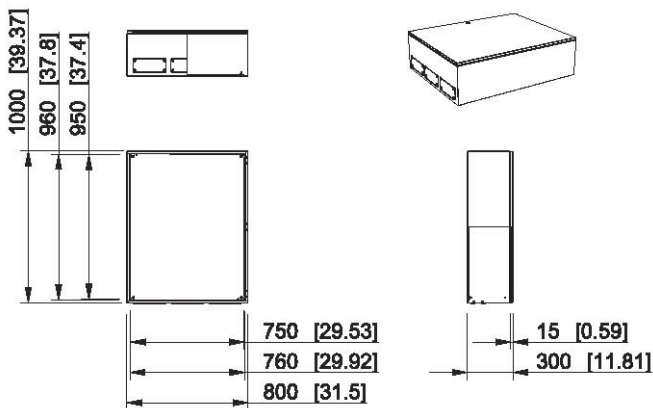
Ensto Cubo E 800 x 800 x 300 mm



Product code
EFEF808030A
ESSP808030

Description
3 flange openings, polyester painted mild steel
Plain sides, stainless steel

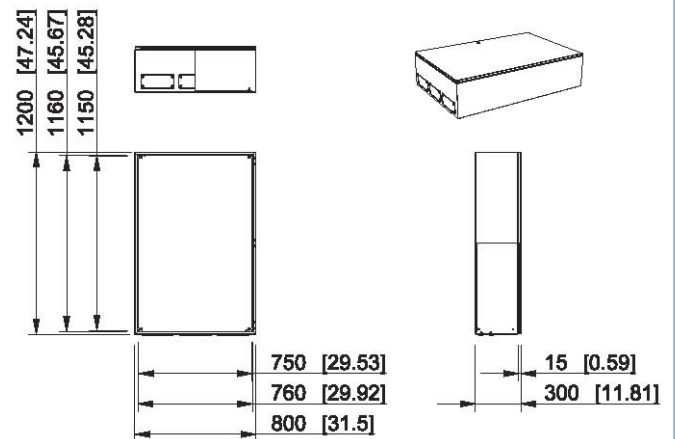
Ensto Cubo E 800 x 1000 x 300 mm



Product code
EFEF8010030A
ESSP8010030

Description
3 flange openings, polyester painted mild steel
Plain sides, stainless steel

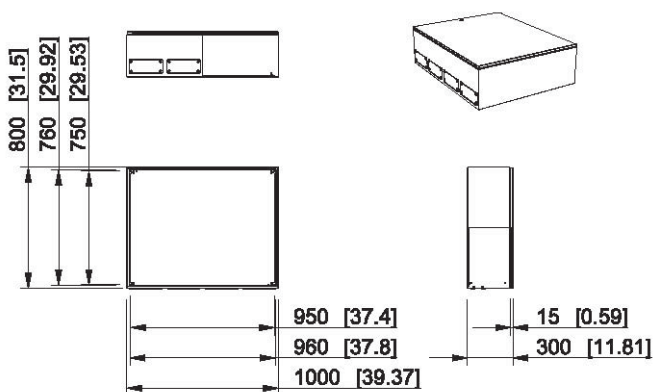
Ensto Cubo E 800 x 1200 x 300 mm



Product code
EFEF8012030A
ESSP8012030

Description
3 flange openings, polyester painted mild steel
Plain sides, stainless steel

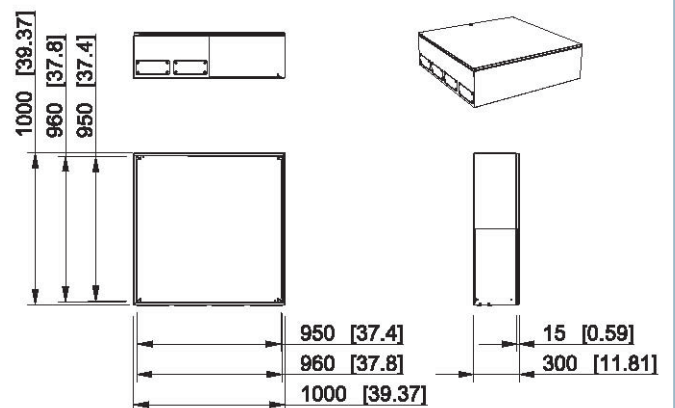
Ensto Cubo E 1000 x 800 x 300 mm



Product code
EFEF1008030A
ESSP1008030

Description
4 flange openings, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo E 1000 x 1000 x 300 mm



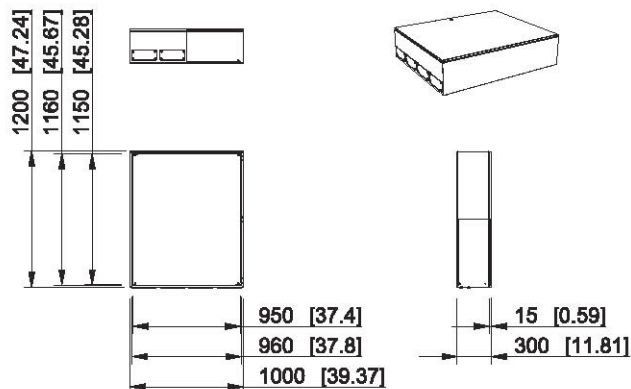
Product code
EFEF10010030A
ESSP10010030

Description
4 flange openings, polyester painted mild steel
Plain sides, stainless steel

Technical drawings, Ensto Cubo E

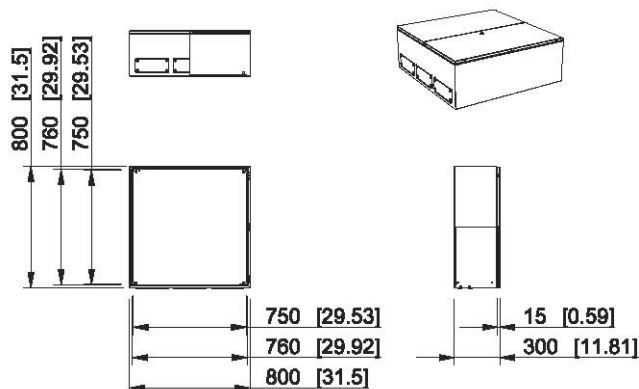
Measurements in mm [inch]

Ensto Cubo E 1000 x 1200 x 300 mm



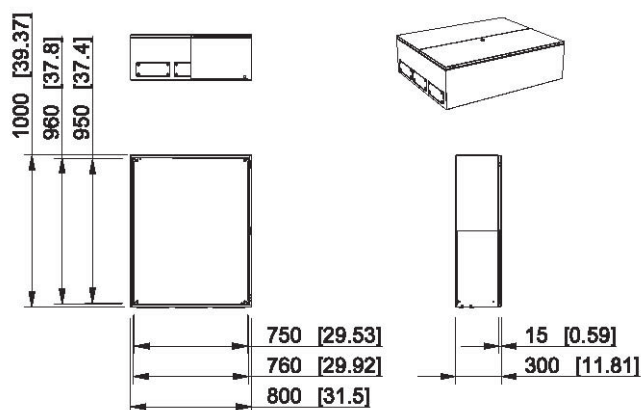
Product code	Description
EFEF10012030A	4 flange openings, polyester painted mild steel
ESSP10012030	Plain sides, stainless steel

Ensto Cubo E 800 x 800 x 300 mm



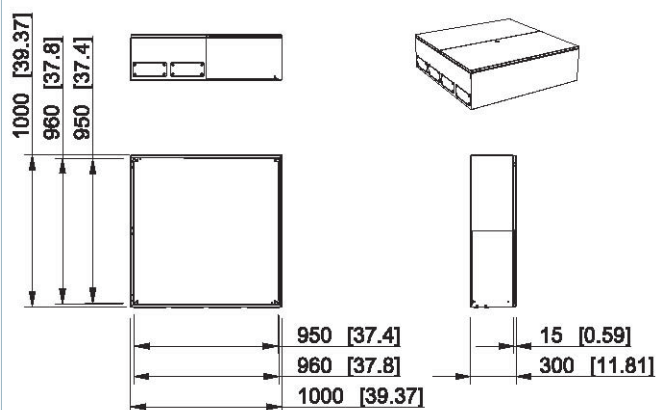
Product code	Description
EFEF808030DA	3 flange openings, two doors, painted mild steel
ESSP808030D	Plain sides, two doors, stainless steel

Ensto Cubo E 800 x 1000 x 300 mm



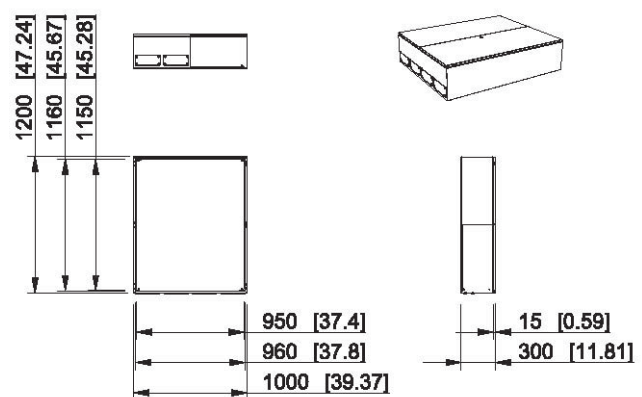
Product code	Description
EFEF8010030DA	3 flange openings, two doors, painted mild steel
ESSP8010030D	Plain sides, two doors, stainless steel

Ensto Cubo E 1000 x 1000 x 300 mm



Product code	Description
EFEF10010030DA	4 flange openings, two doors, painted mild steel
ESSP10010030D	Plain sides, two doors, stainless steel

Ensto Cubo E 1000 x 1200 x 300 mm



Product code	Description
EFEF10012030DA	4 flange openings, two doors, painted mild steel
ESSP10012030D	Plain sides, two doors, stainless steel

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Ensto Cubo EO wall cabinets IP 66

Sizes 190 x 240 x 138 to 480 x 960 x 248 mm



Ensto Cubo EO wall cabinet in brief:

- Has flange knockouts on each side of the base
- Available in 22 sizes
- Door fitted with a quarter-turn slotted fastener
- The door can be opened 110°
- Has fixed M8 inserts for a mounting plate in the bottom of the base
- Has M6 bolt for earthing on one side of the base
- Equipped with two M6 bolts in the door, for earthing
- Excellent choice for creating larger assemblies.

Contents of the product package:

- Enclosure base
- Door
- M8 mounting screws
- Mounting plate
- Quarter-turn slotted lock

Customising services available for this product:

- Machining
- Prints
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.



The enclosures include flange knockouts on all four sides.

Conformity	
Steel enclosures:	CE  
Technical information	
Degree of protection:	IP 66
Impact resistance:	IK 09 [-25 °C... +35 °C]
Material	
Base/door:	Polyester painted mild steel
Gasket:	PUR (polyurethane)
Mounting plate:	Galvanized steel
Knockout alternatives	
Polyester painted mild steel cabinets:	Flange knockouts
Standard colour	
Polyester painted mild steel cabinets:	Grey RAL 7035

Material based technical information available on page 5.



Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo EO wall cabinets

Ensto Cubo EO wall cabinets with flange knockouts, polyester painted mild steel

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
EOK192414A	4 x F1 knockout	190	240	138	123	118	1	6418677198946
EOJ192814A	2 x F1 knockout + 2 x F2 knockout	190	280	138	123	118	1	6418677198922
EOJ192819A	2 x F1 knockout + 2 x F2 knockout	190	280	193	178	173	1	6418677198939
EOM193814A	2 x F1 knockout + 2 x F2 knockout	190	380	138	123	118	1	6418677198960
EOM193819A	2 x F1 knockout + 2 x F2 knockout	190	380	193	178	173	1	6418677198977
EOL242814A	2 x F1 knockout + 2 x F2 knockout	240	280	138	123	118	1	6418677198953
EOO282814A	4 x F2 knockout	280	280	138	123	118	1	6418677198984
EOO282819A	4 x F2 knockout	280	280	193	178	173	1	6418677198991
EOP283814A	4 x F2 knockout	280	380	138	123	118	1	6418677199004
EOP283819A	4 x F2 knockout	280	380	193	178	173	1	6418677199011
EOT285614A	6 x F2 knockout	280	560	138	123	118	1	6418677199042
EOT285619A	6 x F2 knockout	280	560	193	178	173	1	6418677199059
EOR383814A	4 x F2 knockout	380	380	138	123	118	1	6418677199028
EOR383819A	4 x F2 knockout	380	380	193	178	173	1	6418677199035
EOU385614A	6 x F2 knockout	380	560	138	123	118	1	6418677199066
EOU385619A	6 x F2 knockout	380	560	193	178	173	1	6418677199073
EOU385625A	6 x F2 knockout	380	560	248	233	228	1	6418677199080
EOV388419A	8 x F2 knockout	380	840	193	178	173	1	6418677199103
EOV388425A	8 x F2 knockout	380	840	248	233	228	1	6418677199110
EOY484825A	4 x F2 knockout	480	480	248	233	228	1	6418677199097
EOZ487625A	6 x F2 knockout	480	760	248	233	228	1	6418677199127
EOQ489625A	6 x F2 knockout	480	960	248	233	228	1	6418677199134



EOJ192814A



EOR383814A

Mounting plates, galvanized steel

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
EOK1	For 190 x 240 mm enclosures	140 x 190 x 1.5	1	6418677186660
EOJ1	For 190 x 280 mm enclosures	140 x 230 x 1.5	1	6418677186653
EOM1	For 190 x 380 mm enclosures	140 x 330 x 1.5	1	6418677186684
EOL1	For 240 x 280 mm enclosures	190 x 230 x 1.5	1	6418677186677
EOO1	For 280 x 280 mm enclosures	230 x 230 x 1.5	1	6418677186691
EOP1	For 280 x 380 mm enclosures	230 x 330 x 1.5	1	6418677186707
EOT1	For 280 x 560 mm enclosures	230 x 510 x 1.5	1	6418677186721
EOR1	For 380 x 380 mm enclosures	330 x 330 x 1.5	1	6418677186714
EOU1	For 380 x 560 mm enclosures, 1.5 mm thick	330 x 510 x 1.5	1	6418677186738
EOU3	For 380 x 560 mm enclosures, 2.5 mm thick	330 x 510 x 2.5	1	6418677186745
EOV1	For 380 x 840 mm enclosures, 1.5 mm thick	330 x 790 x 1.5	1	6418677186769
EOV3	For 380 x 840 mm enclosures, 2.5 mm thick	330 x 790 x 2.5	1	6418677186776
EOY1	For 480 x 480 mm enclosures	430 x 430 x 1.5	1	6418677186752
EOZ1	For 480 x 760 mm enclosures, 1.5 mm thick	430 x 710 x 1.5	1	6418677186783
EOZ3	For 480 x 760 mm enclosures, 2.5 mm thick	430 x 710 x 2.5	1	6418677186790
EOQ1	For 480 x 960 mm enclosures, 1.5 mm thick	430 x 910 x 1.5	1	6418677186806
EOQ3	For 480 x 960 mm enclosures, 2.5 mm thick	430 x 910 x 2.5	1	6418677186813



EOJ1

Ensto Cubo E0 wall cabinets

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Lock alternatives				
E071.04	Adapter for padlock	-	1	6418677186820
E071.05	Adapter for padlock incl. T handle	-	1	6418677186837
E071.06	DIN 3 lock	DIN 3	1	6418677186844
E071.07	T handle lock	△ 10/M5	1	6418677186851
OLT42KEY	Key for DIN 3 lock	50 x 53 x ø22	10	6418677172410
Accessories for flanges				
E072.07	Fastening bolt set for F1 size flange	M6	1	6418677186875
E072.08	Fastening bolt set for F2 size flange	M8	1	6418677186882
E072.10	Counter rib/M6 for F1 size flange	M6	1	6418677186899
E072.11	Counter rib/M8 for F2 size flange	M8	1	6418677186905
Fastening lugs				
EOFL2.20	Fastening lug set, 20 mm high	20	1	6418677199578
EOFL2.50	Fastening lug set, 50 mm high	50	1	6418677199585
Other accessories				
EVF2A	Ventilation flange F2 size	93 x 222 x 7,5	1	6418677159671
EDS2	Door stopper, set, galvanized steel	-	1	6438100102265



Adapter for padlock, E071.04.



Adapter for padlock incl. T handle, E071.05.



DIN 3 lock, E071.06.



T handle lock, E071.07.



Key for DIN 3 lock, OLT42KEY.



Fastening bolt set for F1 size flange, E072.07.



Counter rib/M6 for F1 size flange, E072.10.



Fastening lug set, 20 mm high, EOFL2.20.



Ventilation flange F2 size, EVF2A.

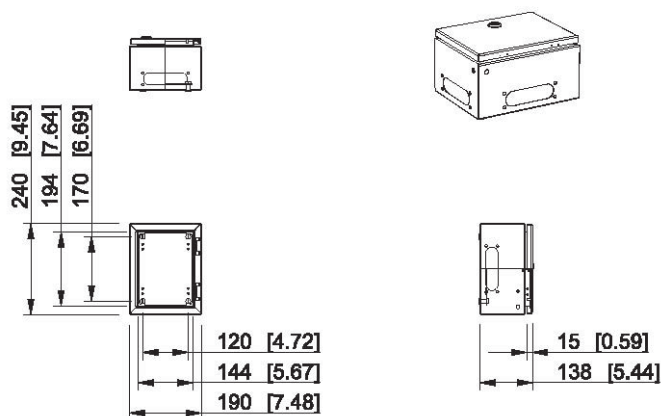


Door stopper, set, EDS2.

Technical drawings, Ensto Cubo EO

Measurements in mm [inch]

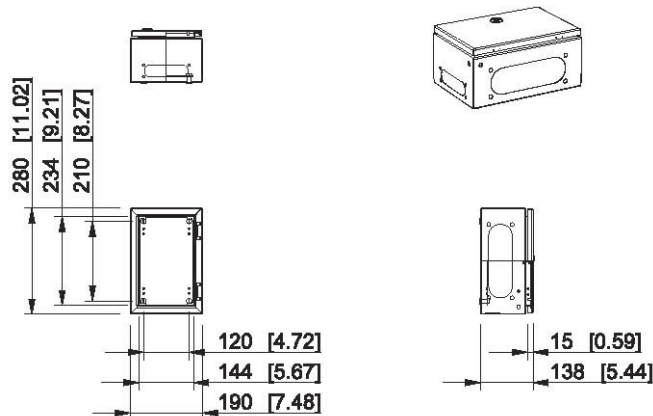
Ensto Cubo EO 190 x 240 x 138 mm



Product code
EOK192414A

Description
4 x F1 knockout

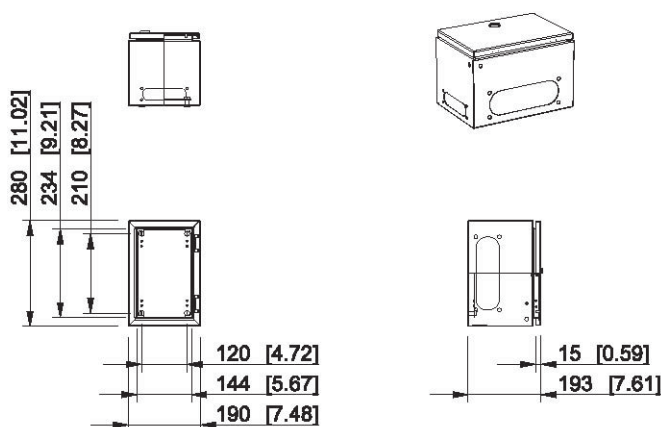
Ensto Cubo EO 190 x 280 x 138 mm



Product code
EOJ192814A

Description
2 x F1 knockout + 2 x F2 knockout

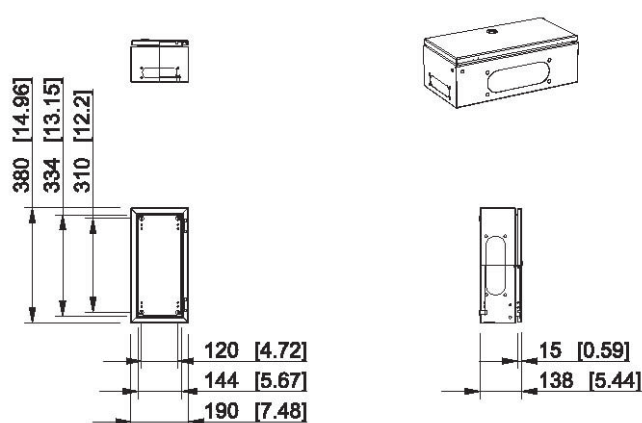
Ensto Cubo EO 190 x 280 x 193 mm



Product code
EOJ192819A

Description
2 x F1 knockout + 2 x F2 knockout

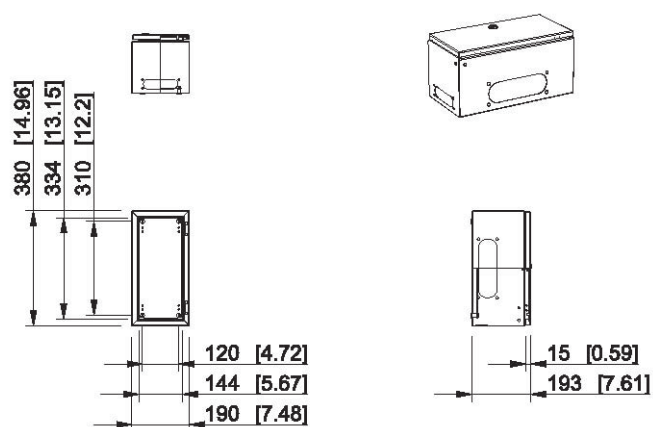
Ensto Cubo EO 190 x 380 x 138 mm



Product code
EOM193814A

Description
2 x F1 knockout + 2 x F2 knockout

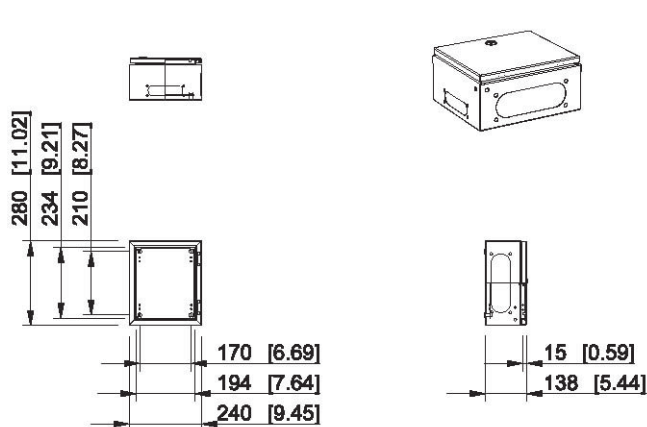
Ensto Cubo EO 190 x 380 x 193 mm



Product code
EOM193819A

Description
2 x F1 knockout + 2 x F2 knockout

Ensto Cubo EO 240 x 280 x 138 mm



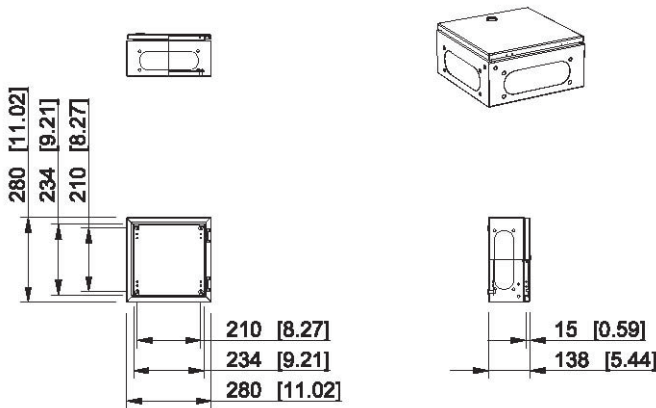
Product code
EOL242814A

Description
2 x F1 knockout + 2 x F2 knockout

Technical drawings, Ensto Cubo EO

Measurements in mm [inch]

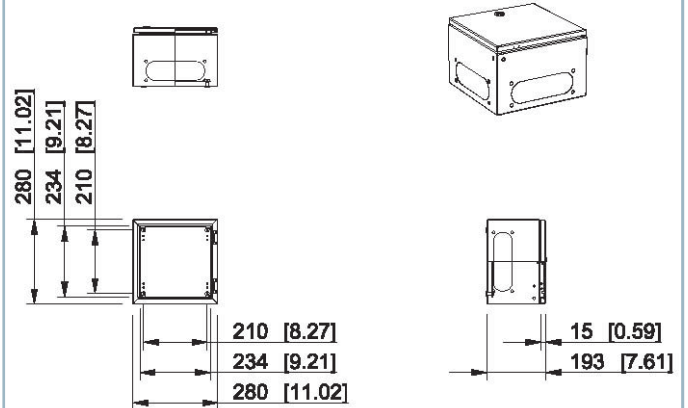
Ensto Cubo EO 280 x 280 x 138 mm



Product code
E00282814A

Description
4 x F2 knockout

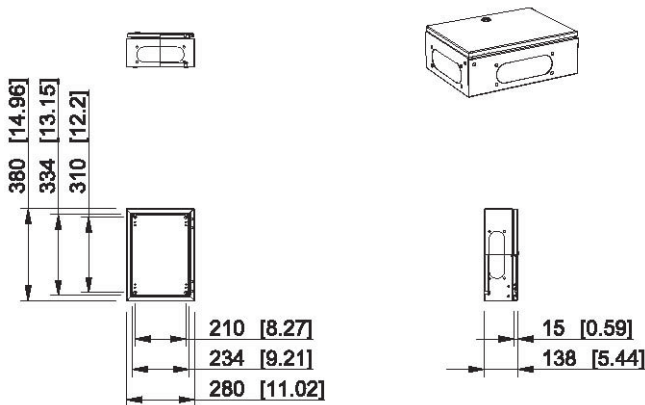
Ensto Cubo EO 280 x 280 x 193 mm



Product code
E00282819A

Description
4 x F2 knockout

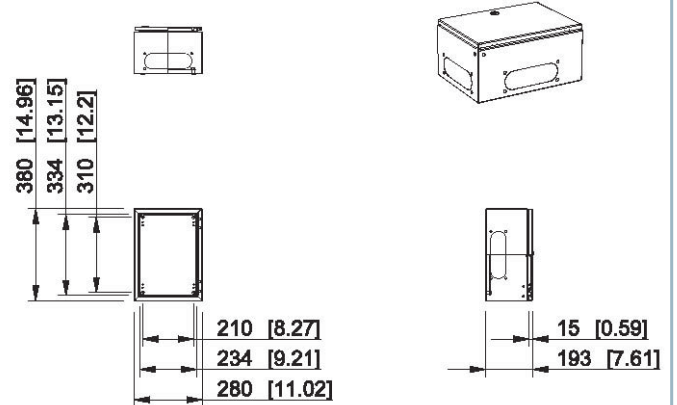
Ensto Cubo EO 280 x 380 x 138 mm



Product code
E0P283814A

Description
4 x F2 knockout

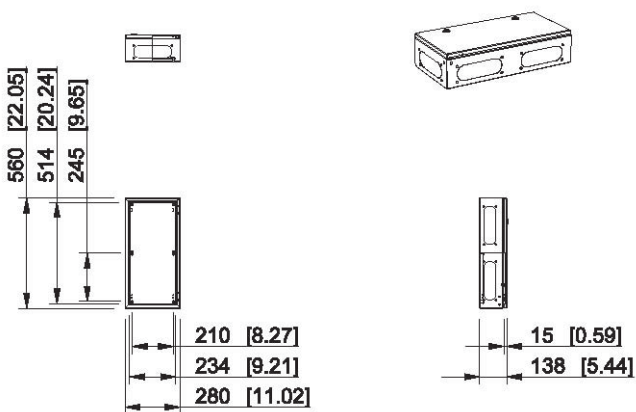
Ensto Cubo EO 280 x 380 x 193 mm



Product code
E0P283819A

Description
4 x F2 knockout

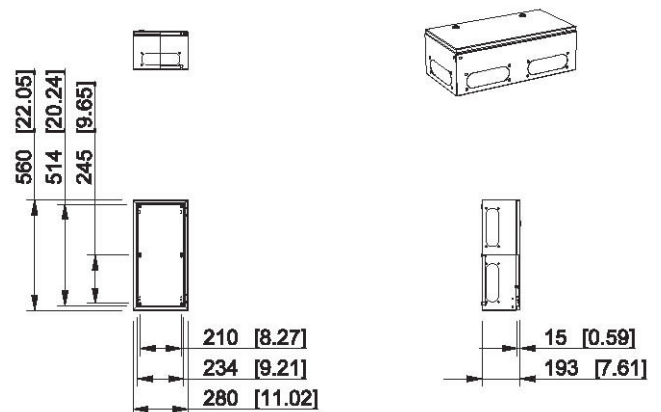
Ensto Cubo EO 280 x 560 x 138 mm



Product code
E0T285614A

Description
6 x F2 knockout

Ensto Cubo EO 280 x 560 x 193 mm



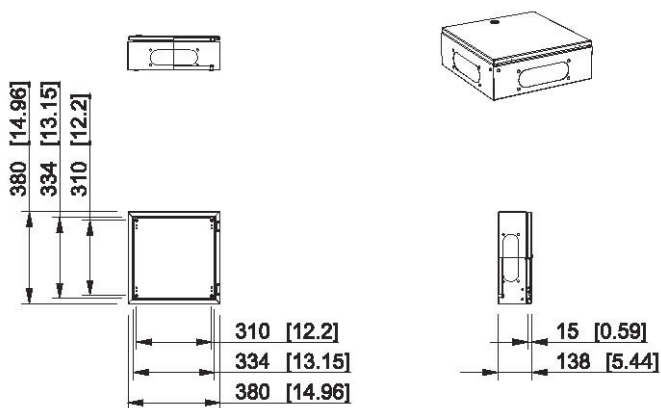
Product code
E0T285619A

Description
6 x F2 knockout

Technical drawings, Ensto Cubo EO

Measurements in mm [inch]

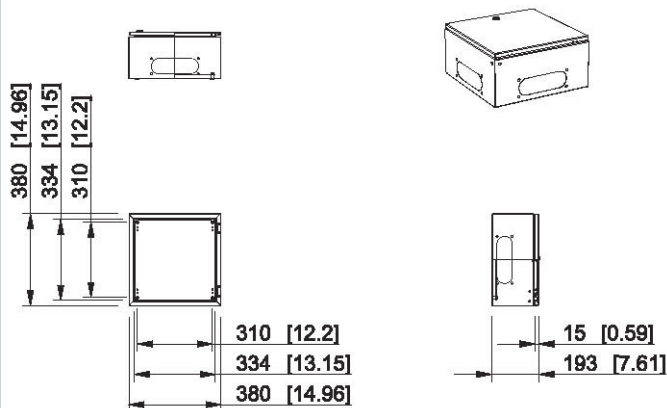
Ensto Cubo EO 380 x 380 x 138 mm



Product code
EOR383814A

Description
4 x F2 knockout

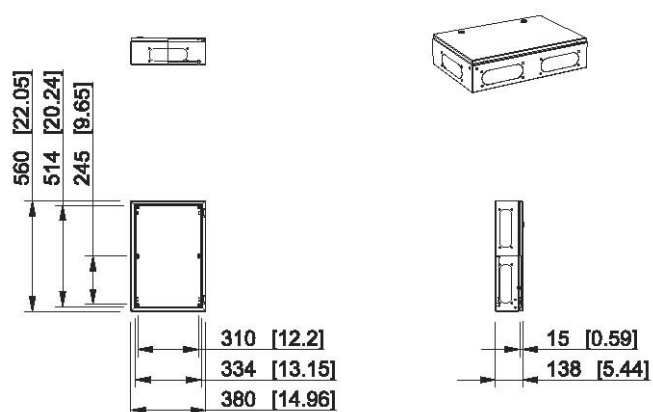
Ensto Cubo EO 380 x 380 x 193 mm



Product code
EOR383819A

Description
4 x F2 knockout

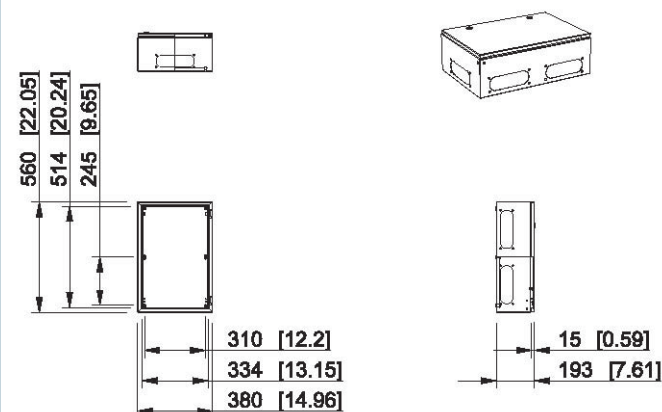
Ensto Cubo EO 380 x 560 x 138 mm



Product code
EQU385614A

Description
6 x F2 knockout

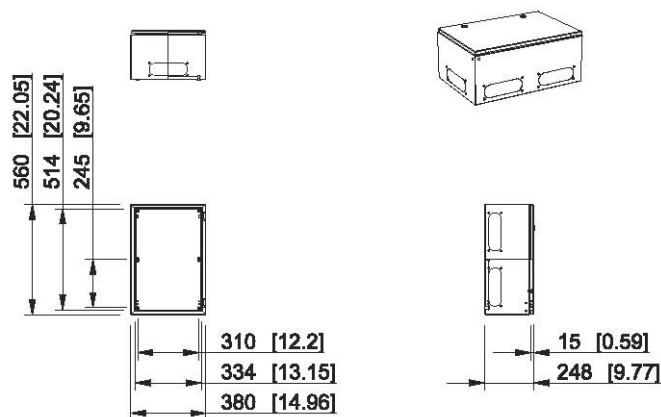
Ensto Cubo EO 380 x 560 x 193 mm



Product code
EQU385619A

Description
6 x F2 knockout

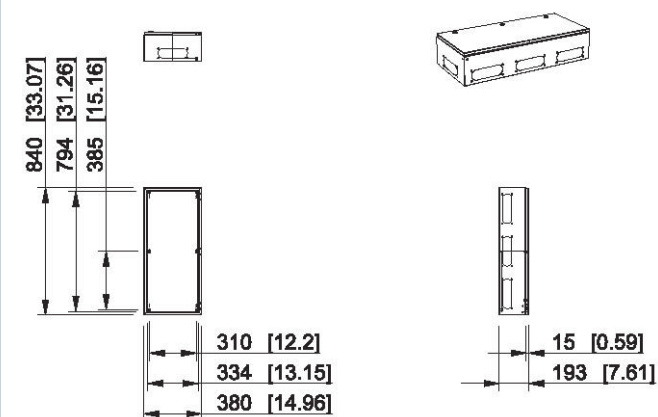
Ensto Cubo EO 380 x 560 x 248 mm



Product code
EQU385625A

Description
6 x F2 knockout

Ensto Cubo EO 380 x 840 x 193 mm



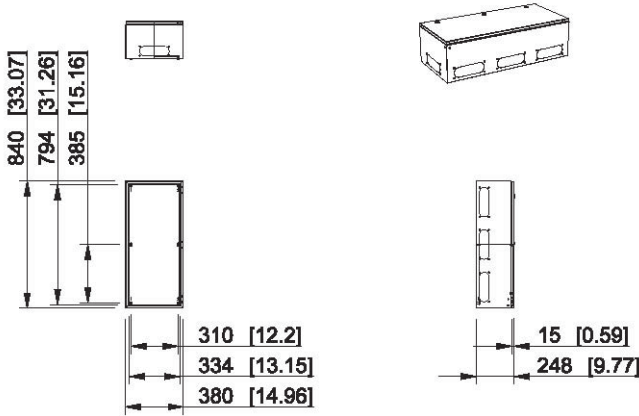
Product code
EOV388419A

Description
8 x F2 knockout

Technical drawings, Ensto Cubo EO

Measurements in mm [inch]

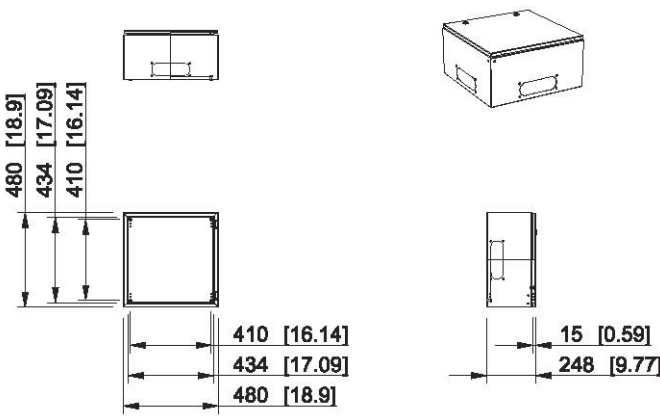
Ensto Cubo EO 380 x 840 x 248 mm



Product code
EOV388425A

Description
8 x F2 knockout

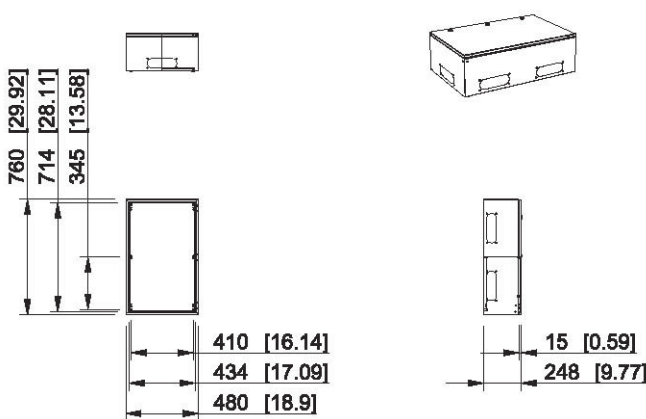
Ensto Cubo EO 480 x 480 x 248 mm



Product code
EOY484825A

Description
4 x F2 knockout

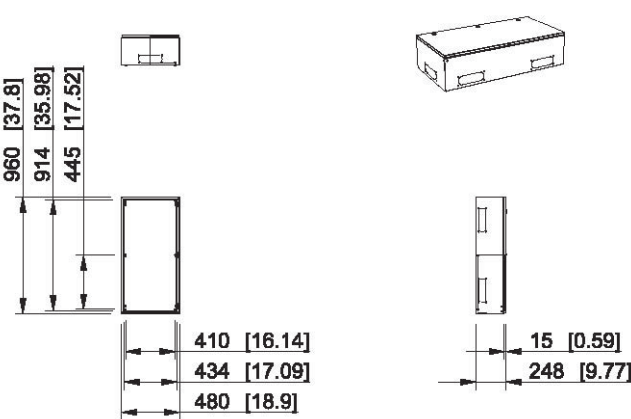
Ensto Cubo EO 480 x 760 x 248 mm



Product code
EOZ487625A

Description
6 x F2 knockout

Ensto Cubo EO 480 x 960 x 248 mm



Product code
EOQ489625A

Description
6 x F2 knockout

Ensto Cubo F terminal enclosures IP 66

Sizes 150 x 150 x 80 to 800 x 400 x 120 mm



Ensto Cubo F terminal enclosure in brief:

- Has plain sides
- 120 mm deep polyester painted enclosures are also available with flange openings or polycarbonate window as standard
- Available in 30 sizes and in two depth alternatives
- Include a perforated support for DIN rail or mounting plate enabling the maximum use of all sides of the enclosure for cable entries
- Has M6 bolt for earthing on one side of the base
- Enclosures made of stainless steel AISI 316 are also available on request
- Customer-specific dimensionings also available in small volumes at competitive prices
- All versions can be supplied with hinges
- Polyester painted enclosures with wall mounting holes. Stainless steel versions with drill marks only.

Contents of the product package:

- Enclosure base
- Cover
- Cover screws with gaskets and cage nuts
- Mounting screws
- Cover plugs for mounting holes
- A M6 nut and a washer for earthing
- Earth marks
- Models with flange openings include also cover plates, bolts and washers

Customising services available for this product:

- Customer-specific dimensions
- Machining
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Conformity

Steel enclosures:



Technical information

Degree of protection:	IP 66
Impact resistance:	IK 09 (-25 °C... +35 °C), models with window IK 07 (-5 °C...+80 °C)

Material

Base/cover:	Polyester painted mild steel or stainless steel AISI 304
Gasket:	PUR (polyurethane)
Cover screw gasket:	Dryflex (SEBS)

Knockout alternatives

Polyester painted mild steel cabinets:	Plain sides, flange openings
Stainless steel cabinets:	Plain sides

Standard colour

Polyester painted mild steel cabinets:	Grey RAL 7035
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Material based technical information is available on page 5.



These enclosures include a perforated support for a DIN rail or mounting plate as standard. The optimised mounting supports enable the maximum use of all sides of the enclosure for cable entries.



120 mm deep polyester painted enclosures are also available with flange openings. The product package includes cover plates, bolts and washers.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo F terminal enclosures

Ensto Cubo F terminal enclosures with plain sides, polyester painted mild steel

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
FFUP151508A		150	150	80	65	63.5	1	6418677159701
FFUP202008A		200	200	80	65	63.5	1	6418677159718
FFUP301508A		300	150	80	65	63.5	1	6418677159725
FFUP302008A		300	200	80	65	63.5	1	6418677159732
FFUP303008A		300	300	80	65	63.5	1	6418677159749
FFUP402008A		400	200	80	65	63.5	1	6418677159756
FFUP403008A		400	300	80	65	63.5	1	6418677159763
FFUP404008A		400	400	80	65	63.5	1	6418677159770
FFUP502008A		500	200	80	65	63.5	1	6418677159787
FFUP503008A		500	300	80	65	63.5	1	6418677159794
FFUP602008A		600	200	80	65	63.5	1	6418677159800
FFUP603008A		600	300	80	65	63.5	1	6418677159817
FFUP604008A		600	400	80	65	63.5	1	6418677159824
FFUP802008A		800	200	80	65	63.5	1	6418677159831
FFUP804008A		800	400	80	65	63.5	1	6418677159848
FFUP151512A		150	150	120	105	103.5	1	6418677159855
FFUP202012A		200	200	120	105	103.5	1	6418677159862
FFUP301512A		300	150	120	105	103.5	1	6418677159879
FFUP302012A		300	200	120	105	103.5	1	6418677159886
FFUP303012A		300	300	120	105	103.5	1	6418677159893
FFUP402012A		400	200	120	105	103.5	1	6418677159909
FFUP403012A		400	300	120	105	103.5	1	6418677159916
FFUP404012A		400	400	120	105	103.5	1	6418677159923
FFUP502012A		500	200	120	105	103.5	1	6418677159930
FFUP503012A		500	300	120	105	103.5	1	6418677154683
FFUP602012A		600	200	120	105	103.5	1	6418677154690
FFUP603012A		600	300	120	105	103.5	1	6418677154706
FFUP604012A		600	400	120	105	103.5	1	6418677154713
FFUP802012A		800	200	120	105	103.5	1	6418677154720
FFUP804012A		800	400	120	105	103.5	1	6418677154737



Ensto Cubo F terminal enclosures with plain sides, stainless steel

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
FSUP151508		150	150	80	65	63.5	1	6418677189548
FSUP202008		200	200	80	65	63.5	1	6418677189555
FSUP301508		300	150	80	65	63.5	1	6418677189562
FSUP302008		300	200	80	65	63.5	1	6418677189579
FSUP303008		300	300	80	65	63.5	1	6418677189586
FSUP402008		400	200	80	65	63.5	1	6418677189593
FSUP403008		400	300	80	65	63.5	1	6418677189609
FSUP404008		400	400	80	65	63.5	1	6418677189616
FSUP502008		500	200	80	65	63.5	1	6418677189623
FSUP503008		500	300	80	65	63.5	1	6418677189630
FSUP602008		600	200	80	65	63.5	1	6418677189647
FSUP603008		600	300	80	65	63.5	1	6418677189654
FSUP604008		600	400	80	65	63.5	1	6418677189661
FSUP802008		800	200	80	65	63.5	1	6418677189678
FSUP804008		800	400	80	65	63.5	1	6418677189685
FSUP151512		150	150	120	105	103.5	1	6418677189692
FSUP202012		200	200	120	105	103.5	1	6418677189708
FSUP301512		300	150	120	105	103.5	1	6418677189715
FSUP302012		300	200	120	105	103.5	1	6418677189722
FSUP303012		300	300	120	105	103.5	1	6418677189739
FSUP402012		400	200	120	105	103.5	1	6418677189746
FSUP403012		400	300	120	105	103.5	1	6418677189753
FSUP404012		400	400	120	105	103.5	1	6418677189760
FSUP502012		500	200	120	105	103.5	1	6418677189777
FSUP503012		500	300	120	105	103.5	1	6418677189784
FSUP602012		600	200	120	105	103.5	1	6418677189791
FSUP603012		600	300	120	105	103.5	1	6418677189807
FSUP604012		600	400	120	105	103.5	1	6418677189814
FSUP802012		800	200	120	105	103.5	1	6418677189821
FSUP804012		800	400	120	105	103.5	1	6418677189838



Ensto Cubo F terminal enclosures

Ensto Cubo F terminal enclosures with flange openings, polyester painted mild steel

Flange opening size: 192 x 62 mm

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
FFUF301512A	Flanges/side: 1 + 1 + 0 + 0	300	150	120	105	103.5	1	6418677154744
FFUF302012A	Flanges/side: 1 + 1 + 0 + 0	300	200	120	105	103.5	1	6418677154751
FFUF303012A	Flanges/side: 1 + 1 + 1 + 1	300	300	120	105	103.5	1	6418677154768
FFUF402012A	Flanges/side: 1 + 1 + 0 + 0	400	200	120	105	103.5	1	6418677154775
FFUF403012A	Flanges/side: 1 + 1 + 1 + 1	400	300	120	105	103.5	1	6418677154782
FFUF404012A	Flanges/side: 1 + 1 + 1 + 1	400	400	120	105	103.5	1	6418677154799
FFUF502012A	Flanges/side: 2 + 2 + 0 + 0	500	200	120	105	103.5	1	6418677154805
FFUF503012A	Flanges/side: 2 + 2 + 1 + 1	500	300	120	105	103.5	1	6418677154812
FFUF602012A	Flanges/side: 2 + 2 + 0 + 0	600	200	120	105	103.5	1	6418677154829
FFUF603012A	Flanges/side: 2 + 2 + 1 + 1	600	300	120	105	103.5	1	6418677154836
FFUF604012A	Flanges/side: 2 + 2 + 1 + 1	600	400	120	105	103.5	1	6418677154843
FFUF802012A	Flanges/side: 3 + 3 + 0 + 0	800	200	120	105	103.5	1	6418677198830
FFUF804012A	Flanges/side: 3 + 3 + 1 + 1	800	400	120	105	103.5	1	6418677198847



FFUF303012A

Ensto Cubo F terminal enclosures with polycarbonate window, polyester painted mild steel

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
FFUW202012A	Window size: 120 x 120 mm	200	200	120	105	101.5	1	6418677198861
FFUW302012A	Window size: 220 x 120 mm	300	200	120	105	101.5	1	6418677198878
FFUW402012A	Window size: 320 x 120 mm	400	200	120	105	101.5	1	6418677198885
FFUW502012A	Window size: 420 x 120 mm	500	200	120	105	101.5	1	6418677198892
FFUW602012A	Window size: 520 x 120 mm	600	200	120	105	101.5	1	6418677198902
FFUW802012A	Window size: 720 x 120 mm	800	200	120	105	101.5	1	6418677198915



FFUW302012A

Mounting plates and DIN rails

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Mounting plates, galvanized steel				
FMP1515	For 150 x 150 mm enclosures	135 x 100 x 2	10	6418677157394
FMP2020	For 200 x 200 mm enclosures	185 x 150 x 2	10	6418677157417
FMP3015	For 300 x 150 mm enclosures	285 x 100 x 2	10	6418677199462
FMP3020	For 300 x 200 mm enclosures	285 x 150 x 2	10	6418677199479
FMP3030	For 300 x 300 mm enclosures	285 x 250 x 2	10	6418677157479
FMP4020	For 400 x 200 mm enclosures	385 x 150 x 2	10	6418677199486
FMP4030	For 400 x 300 mm enclosures	385 x 250 x 2	5	6418677199493
FMP4040	For 400 x 400 mm enclosures	385 x 350 x 2	5	6418677157516
FMP5020	For 500 x 200 mm enclosures	485 x 150 x 2	5	6418677199509
FMP5030	For 500 x 300 mm enclosures	485 x 250 x 2	5	6418677199516
FMP6020	For 600 x 200 mm enclosures	585 x 150 x 2	5	6418677199523
FMP6030	For 600 x 300 mm enclosures	585 x 250 x 2	5	6418677199530
FMP6040	For 600 x 400 mm enclosures	585 x 350 x 2	5	6418677199547
FMP8020	For 800 x 200 mm enclosures	785 x 150 x 2	5	6418677199554
FMP8040	For 800 x 400 mm enclosures	785 x 350 x 2	5	6418677199561
DIN rails, galvanized steel				
DR3515	For 150 mm side	35 x 140	10	6418677156878
DR3520	For 200 mm side	35 x 190	10	6418677156885
DR3530	For 300 mm side	35 x 290	10	6418677156892
DR3540	For 400 mm side	35 x 390	10	6418677156908
DR3550	For 500 mm side	35 x 490	5	6418677156915
DR3560	For 600 mm side	35 x 590	5	6418677156922
DR3580	For 800 mm side	35 x 790	5	6418677156939

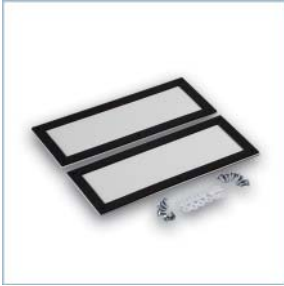


FMP1515

Ensto Cubo F terminal enclosures

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
FFUF1A	Cover plate	84 x 214 x 2	1	6418677198854
FHI2	Hinge pair, stainless steel	30 x 15 x 11	1	6418677199592
EFFL2.20	Fastening lugs, 20 mm high, set of 4 pcs	-	1	6419677199622
EFFL2.50	Fastening lugs, 50 mm high, set of 4 pcs	-	1	6419677199639



Cover plate, FFUF1A.



Hinge pair, FHI2.

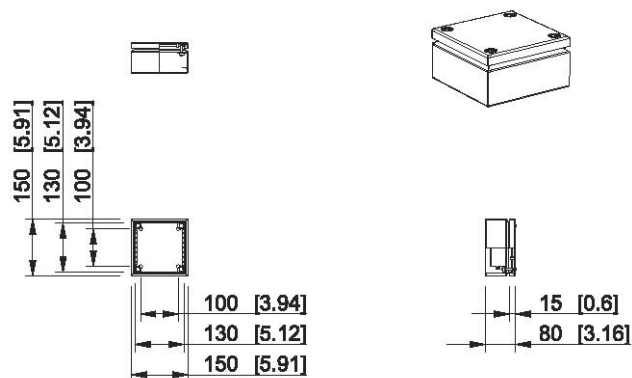


Fastening lugs, 20 mm high, EFFL2.20.

Technical drawings, Ensto Cubo F

Measurements in mm [inch]

Ensto Cubo F 150 x 150 x 80 mm



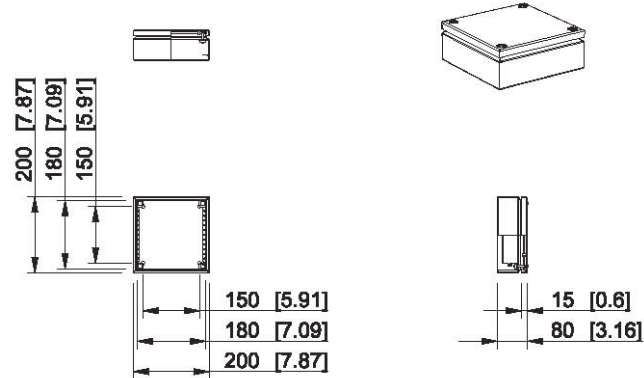
Product code

FFUP151508A
FSUP151508

Description

Plain sides, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo F 200 x 200 x 80 mm



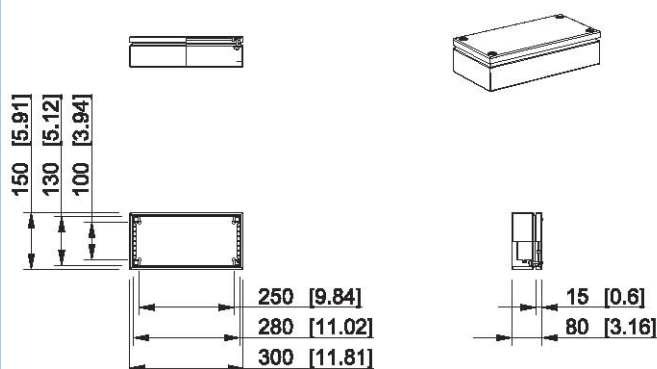
Product code

FFUP202008A
FSUP202008

Description

Plain sides, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo F 300 x 150 x 80 mm



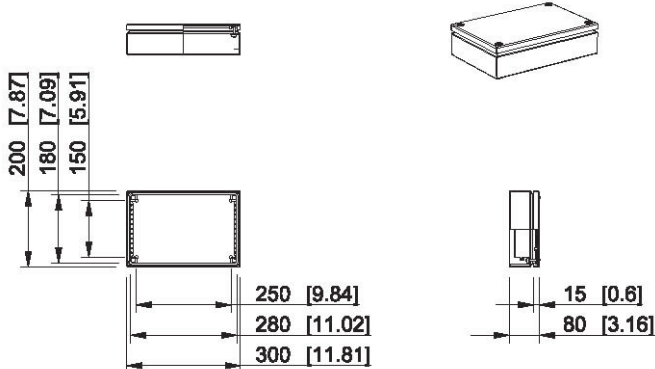
Product code

FFUP301508A
FSUP301508

Description

Plain sides, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo F 300 x 200 x 80 mm



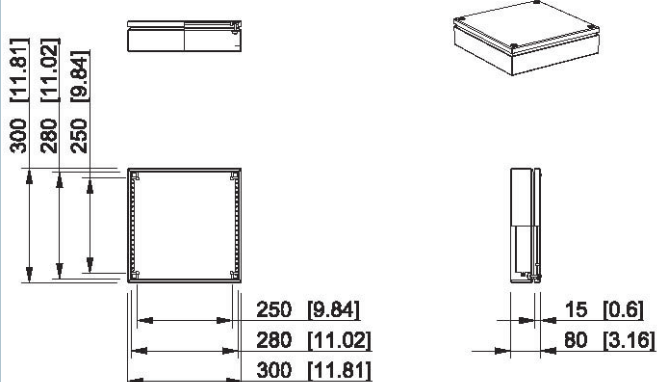
Product code

FFUP302008A
FSUP302008

Description

Plain sides, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo F 300 x 300 x 80 mm



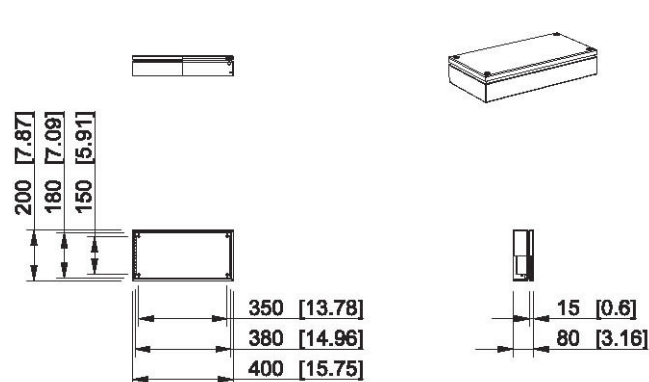
Product code

FFUP303008A
FSUP303008

Description

Plain sides, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo F 400 x 200 x 80 mm



Product code

FFUP402008A
FSUP402008

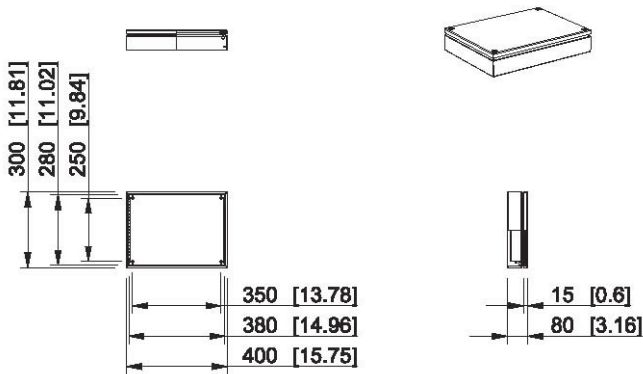
Description

Plain sides, polyester painted mild steel
Plain sides, stainless steel

Technical drawings, Ensto Cubo F

Measurements in mm [inch]

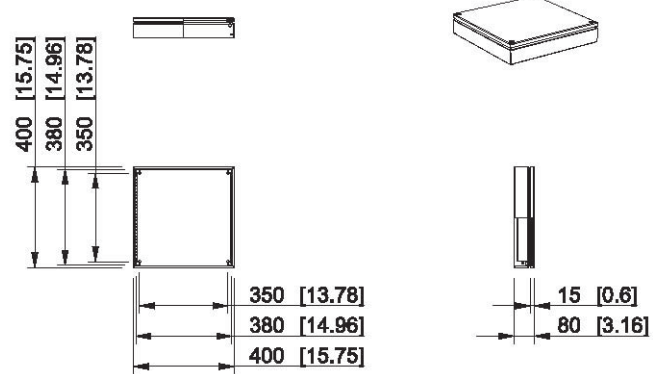
Ensto Cubo F 400 x 300 x 80 mm



Product code
FFUP403008A
FSUP403008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

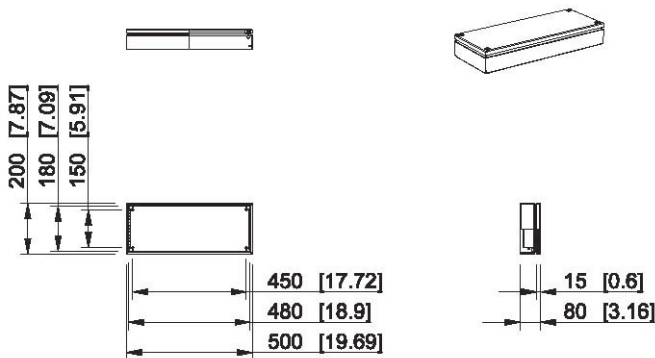
Ensto Cubo F 400 x 400 x 80 mm



Product code
FFUP404008A
FSUP404008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

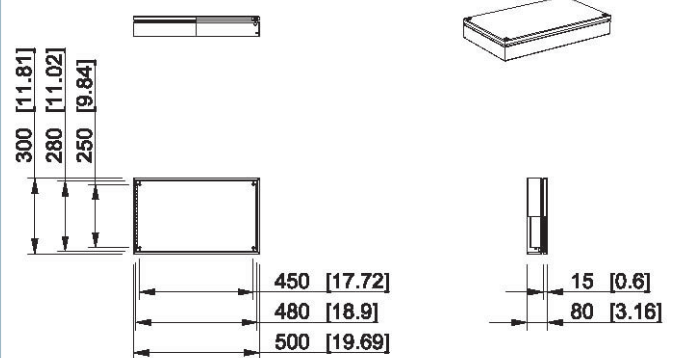
Ensto Cubo F 500 x 200 x 80 mm



Product code
FFUP502008A
FSUP502008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

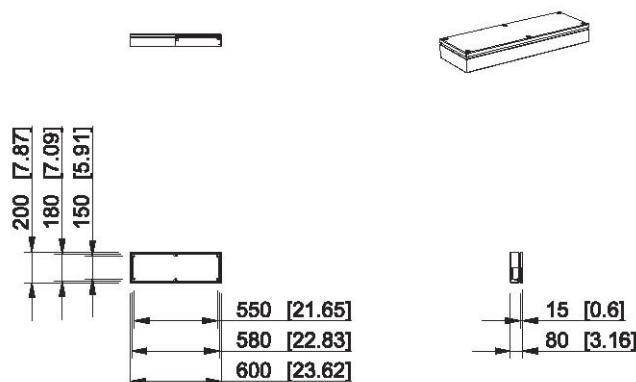
Ensto Cubo F 500 x 300 x 80 mm



Product code
FFUP503008A
FSUP503008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

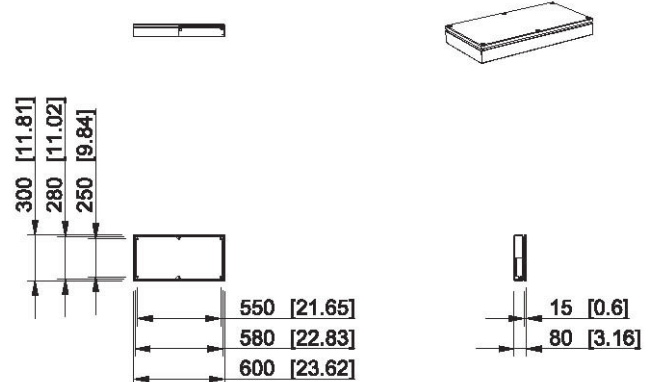
Ensto Cubo F 600 x 200 x 80 mm



Product code
FFUP602008A
FSUP602008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo F 600 x 300 x 80 mm



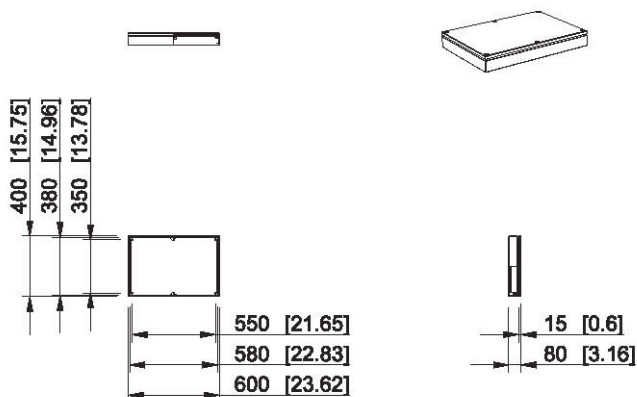
Product code
FFUP603008A
FSUP603008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

Technical drawings, Ensto Cubo F

Measurements in mm [inch]

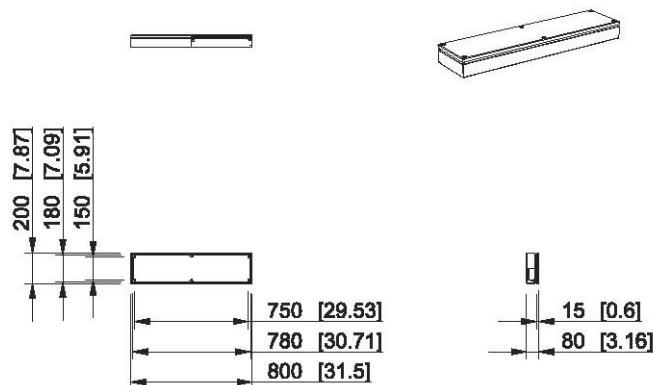
Ensto Cubo F 600 x 400 x 80 mm



Product code
FFUP604008A
FSUP604008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

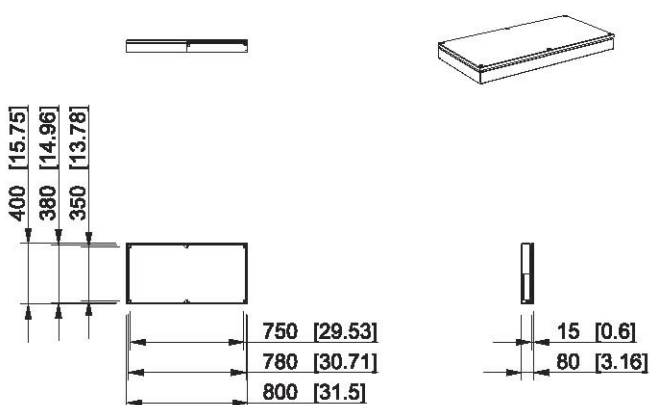
Ensto Cubo F 800 x 200 x 80 mm



Product code
FFUP802008A
FSUP802008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

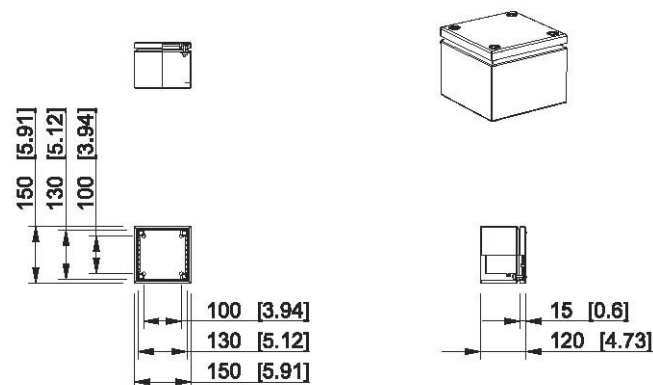
Ensto Cubo F 800 x 400 x 80 mm



Product code
FFUP804008A
FSUP804008

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

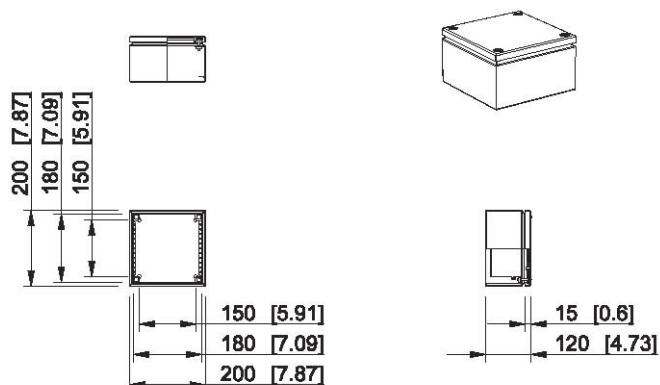
Ensto Cubo F 150 x 150 x 120 mm



Product code
FFUP151512A
FSUP151512

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

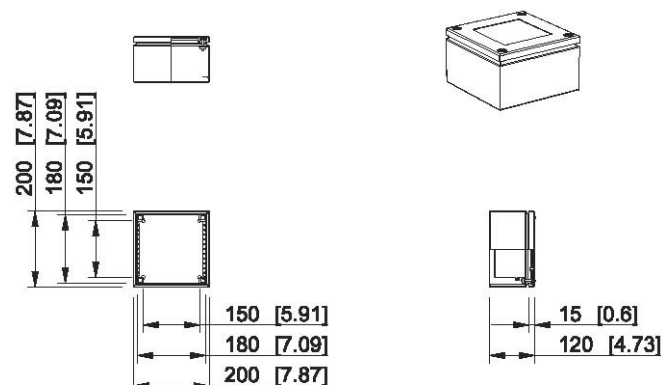
Ensto Cubo F 200 x 200 x 120 mm



Product code
FFUP202012A
FSUP202012

Description
Plain sides, polyester painted mild steel
Plain sides, stainless steel

Ensto Cubo F 200 x 200 x 120 mm



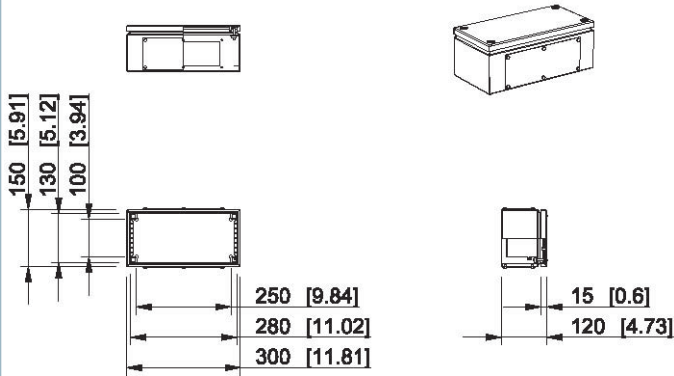
Product code
FFUW202012A

Description
PC window: 120 x 120 mm, polyester painted mild steel

Technical drawings, Ensto Cubo F

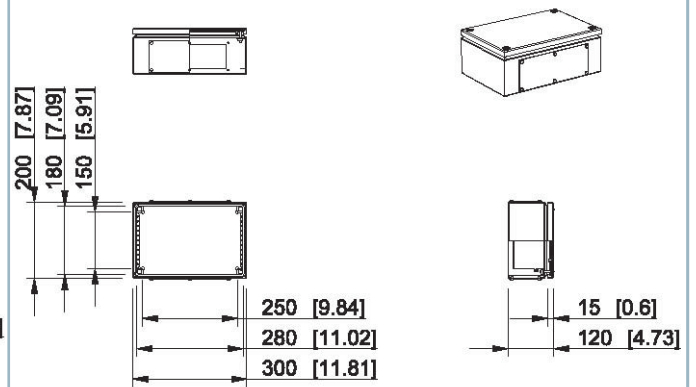
Measurements in mm [inch]

Ensto Cubo F 300 x 150 x 120 mm



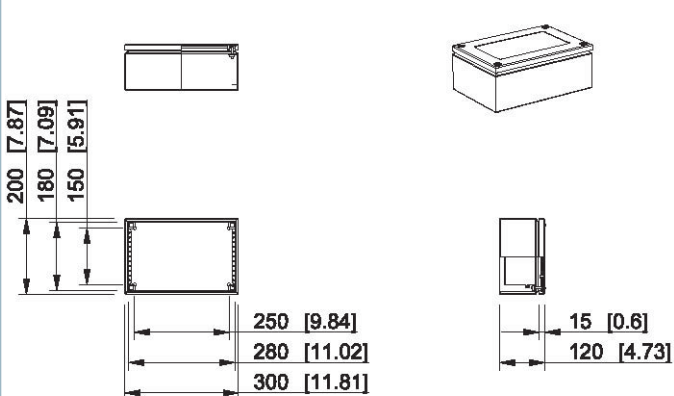
Product code	Description
FFUP301512A	Plain sides, polyester painted mild steel
FSUP301512	Plain sides, stainless steel
FFUF301512A	Flanges/side: 1 + 1 + 0 + 0, polyester painted mild steel

Ensto Cubo F 300 x 200 x 120 mm



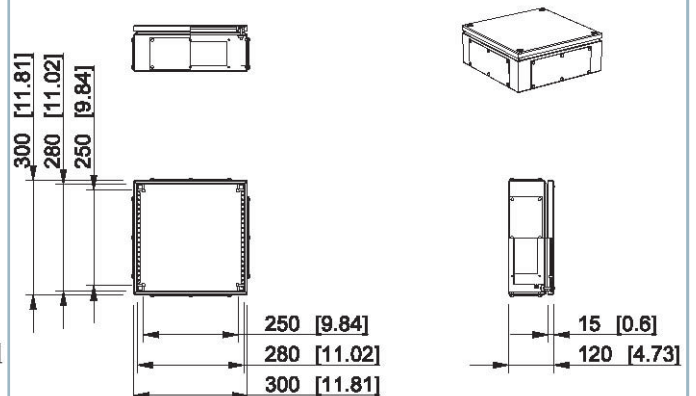
Product code	Description
FFUP302012A	Plain sides, polyester painted mild steel
FSUP302012	Plain sides, stainless steel
FFUF302012A	Flanges/side: 1 + 1 + 0 + 0, polyester painted mild steel

Ensto Cubo F 300 x 200 x 120 mm



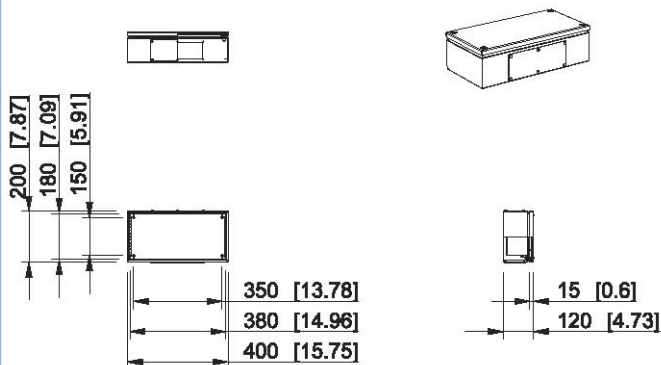
Product code	Description
FFUW302012A	PC window: 220 x 120 mm, polyester painted mild steel

Ensto Cubo F 300 x 300 x 120 mm



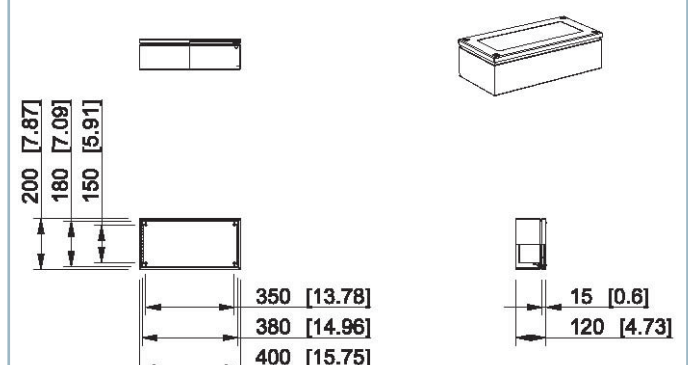
Product code	Description
FFUP303012A	Plain sides, polyester painted mild steel
FSUP303012	Plain sides, stainless steel
FFUF303012A	Flanges/side: 1 + 1 + 1 + 1, polyester painted mild steel

Ensto Cubo F 400 x 200 x 120 mm



Product code	Description
FFUP402012A	Plain sides, polyester painted mild steel
FSUP402012	Plain sides, stainless steel
FFUF402012A	Flanges/side: 1 + 1 + 0 + 0, polyester painted mild steel

Ensto Cubo F 400 x 200 x 120 mm

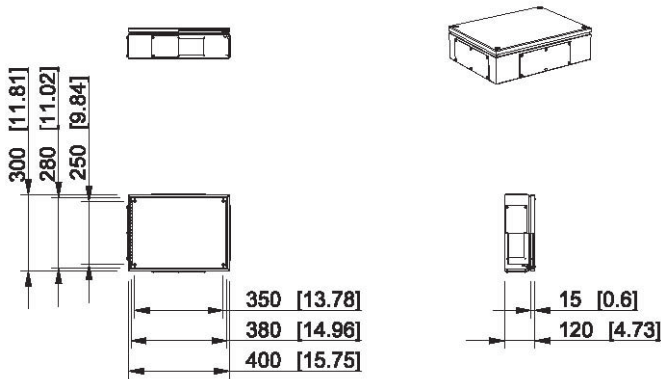


Product code	Description
FFUW402012A	PC window: 320 x 120 mm, polyester painted mild steel

Technical drawings, Ensto Cubo F

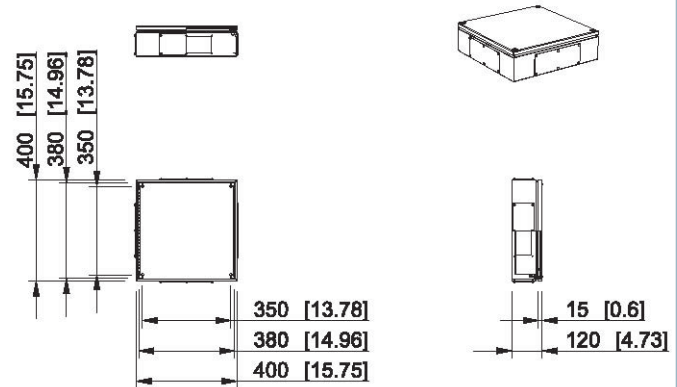
Measurements in mm [inch]

Ensto Cubo F 400 x 300 x 120 mm



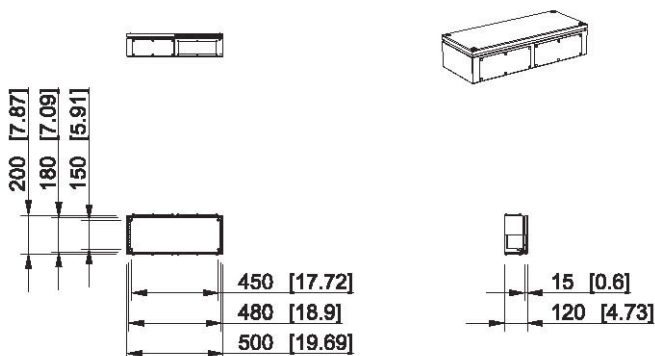
Product code	Description
FFUP403012A	Plain sides, polyester painted mild steel
FSUP403012	Plain sides, stainless steel
FFUF403012A	Flanges/side: 1 + 1 + 1 + 1, polyester painted mild steel

Ensto Cubo F 400 x 400 x 120 mm



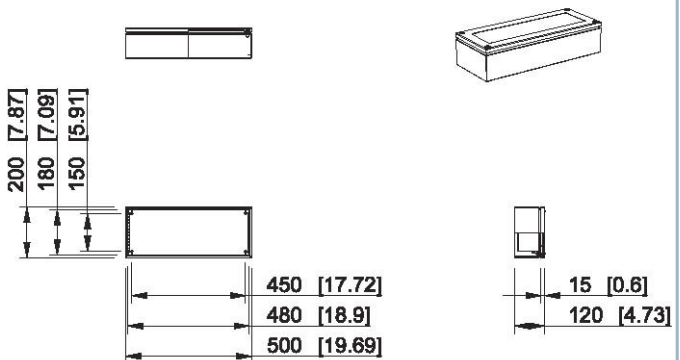
Product code	Description
FFUP404012A	Plain sides, polyester painted mild steel
FSUP404012	Plain sides, stainless steel
FFUF404012A	Flanges/side: 1 + 1 + 1 + 1, polyester painted mild steel

Ensto Cubo F 500 x 200 x 120 mm



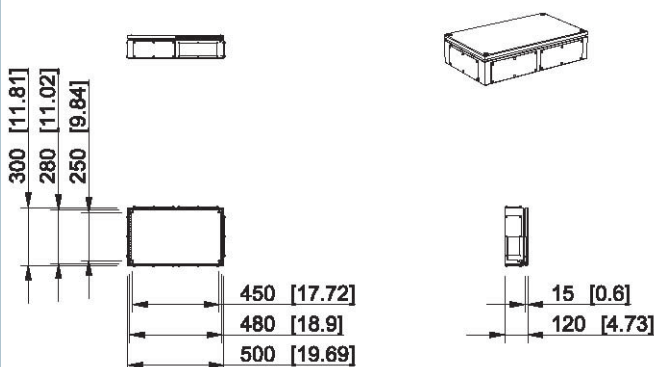
Product code	Description
FFUP502012A	Plain sides, polyester painted mild steel
FSUP502012	Plain sides, stainless steel
FFUF502012A	Flanges/side: 2 + 2 + 0 + 0, polyester painted mild steel

Ensto Cubo F 500 x 200 x 120 mm



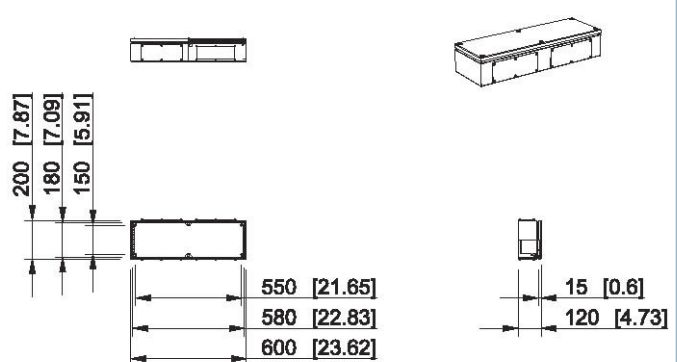
Product code	Description
FFUF502012A	PC window: 420 x 120 mm, polyester painted mild steel

Ensto Cubo F 500 x 300 x 120 mm



Product code	Description
FFUP503012A	Plain sides, polyester painted mild steel
FSUP503012	Plain sides, stainless steel
FFUF503012A	Flanges/side: 2 + 2 + 1 + 1, polyester painted mild steel

Ensto Cubo F 600 x 200 x 120 mm

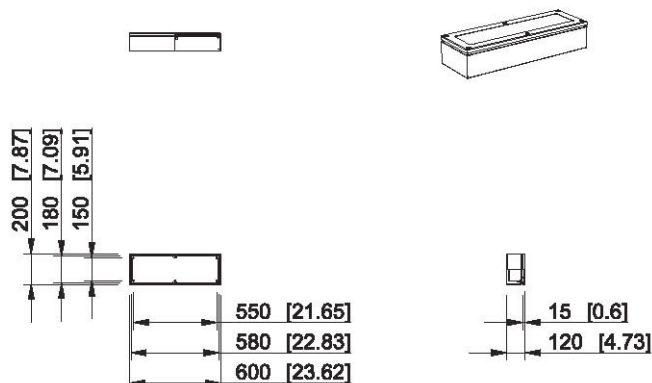


Product code	Description
FFUP602012A	Plain sides, polyester painted mild steel
FSUP602012	Plain sides, stainless steel
FFUF602012A	Flanges/side: 2 + 2 + 0 + 0, polyester painted mild steel

Technical drawings, Ensto Cubo F

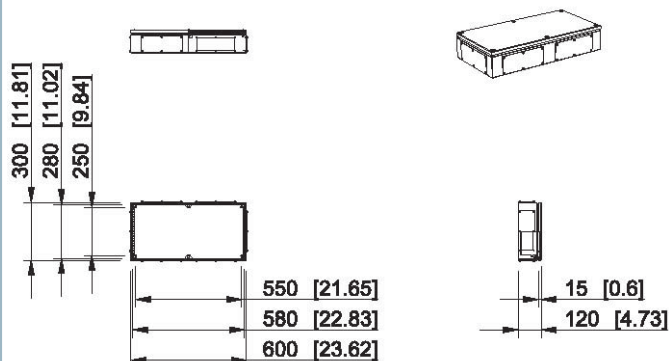
Measurements in mm [inch]

Ensto Cubo F 600 x 200 x 120 mm



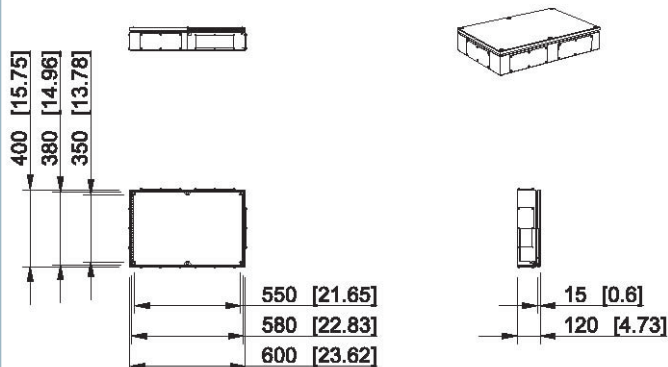
Product code	Description
FFUW602012A	PC window: 520 x 120 mm, polyester painted mild steel

Ensto Cubo F 600 x 300 x 120 mm



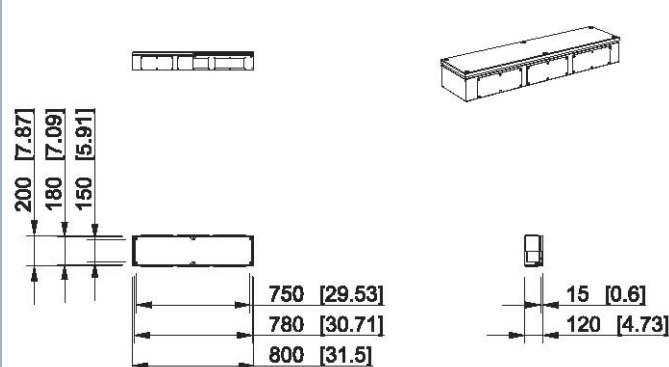
Product code	Description
FFUP603012A	Plain sides, polyester painted mild steel
FSUP603012	Plain sides, stainless steel
FFUF603012A	Flanges/side: 2 + 2 + 1 + 1, polyester painted mild steel

Ensto Cubo F 600 x 400 x 120 mm



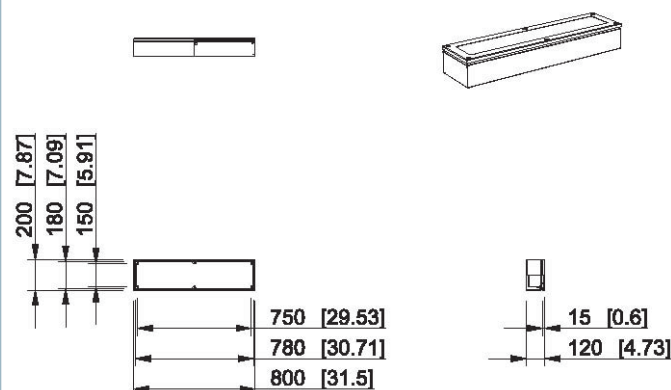
Product code	Description
FFUP604012A	Plain sides, polyester painted mild steel
FSUP604012	Plain sides, stainless steel
FFUF604012A	Flanges/side: 2 + 2 + 1 + 1, polyester painted mild steel

Ensto Cubo F 800 x 200 x 120 mm



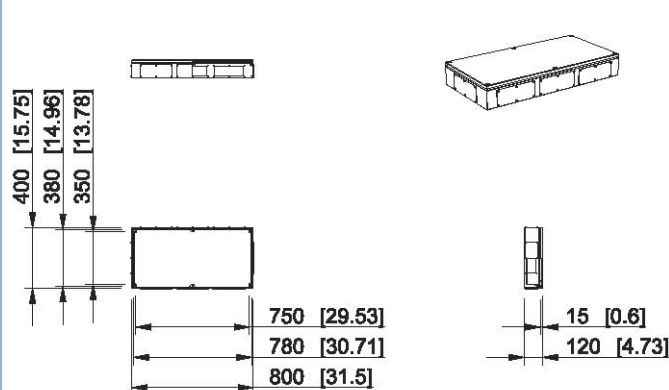
Product code	Description
FFUP802012A	Plain sides, polyester painted mild steel
FSUP802012	Plain sides, stainless steel
FFUF802012A	Flanges/side: 3 + 3 + 0 + 0, polyester painted mild steel

Ensto Cubo F 800 x 200 x 120 mm



Product code	Description
FFUW802012A	PC window: 720 x 120 mm, polyester painted mild steel

Ensto Cubo F 800 x 400 x 120 mm



Product code	Description
FFUP804012A	Plain sides, polyester painted mild steel
FSUP804012	Plain sides, stainless steel
FFUF804012A	Flanges/side: 3 + 3 + 1 + 1, polyester painted mild steel

Ensto Cubo H enclosures IP 66

Sizes 50 x 45 x 30 to 310 x 601 x 180 mm



Ensto Cubo H enclosure in brief:

- Available with plain sides
- Dimensioned according to the European Norm enclosures
- Available in 29 sizes
- Meets the requirements of the machine and military industry as regards resistance to solvents, petrol and oil
- Has superb temperature resistance (-50 °C to +150 °C) with silicone gasket (on request only)
- Is difficult to machine, for which reason ordering enclosures with ready-made cut-outs is recommended.

Contents of the product package:

- Enclosure base
- Cover
- Cover screws
- Mounting screws

Customising services available for this product:

- Machining
- Prints
- Colour service
- Assembly of components

Further information on our customising services is available on page 12.

Conformity

Aluminium enclosures: **CE**

Technical information

Degree of protection: IP 66

Impact resistance: 7 Nm

Material

Base/cover: Polyester painted aluminium

Cover screws: Stainless steel

Gasket: Neophrhene

Knockout alternatives

Aluminium enclosures: Plain sides

Standard colour

Base/cover: Grey RAL 7001

Material based technical information is available on page 5.



Captive cover screws of stainless steel are included in the delivery of Ensto Cubo H enclosures. Mounting screws are integrated in the enclosure base.



Machining aluminium enclosures is difficult, for which reason ordering customised enclosures is recommended.

Product cards, technical drawings and 3D models can be found at www.ensto.com.

Ensto Cubo H enclosures

Ensto Cubo H enclosures with plain sides, aluminium

Product code	Description	External dimensions (mm)				Inner depth (mm)	Package size (pcs)	EAN 13 code
		Width	Height	Depth	Base depth			
HALP050503		50	45	30.0	24.0	24.5	7	6418677165450
HALP060604		64	58	34.0	25.0	28.5	5	6418677165771
HALP061004		64	98	35.0	25.0	29.0	3	6418677165788
HALP061504		64	150	35.0	25.5	27.5	1	6418677165795
HALP080806		80	75	57.5	42.5	51.5	1	6418677165801
HALP081306		80	125	58.0	42.5	52.5	1	6418677165818
HALP081313		80	125	125.5	41.0	117.5	1	6438100088279
HALP081806		80	175	58.0	43.0	52.0	1	6418677165825
HALP082506		80	250	57.5	42.5	50.5	1	6418677165832
HALP121208		120	122	82.0	61.5	72.5	1	6438100090395
HALP121209		120	122	92.5	61.5	83.0	1	6418677165849
HALP122208		120	220	81.5	61.0	72.5	1	6438100088286
HALP122009		120	220	91.0	61.0	82.5	1	6418677165856
HALP123608		121	360	82.5	62.0	72.5	1	6418677165863
HALP161609		160	160	92.0	72.0	82.0	1	6418677165870
HALP162609		160	260	91.5	71.0	82.0	1	6418677165887
HALP163609		160	360	91.5	71.5	82.0	1	6418677165894
HALP165609		160	562	92.0	71.5	81.0	1	6418677165900
HALP202311		202	232	111.5	91.0	102.5	1	6418677165917
HALP202318		200	230	181.0	161.0	172.0	1	6418677165924
HALP232811		230	280	111.5	91.5	102.5	1	6418677165931
HALP233311		233	335	112.0	91.5	102.5	1	6418677165948
HALP233318		234	335	182.0	161.5	172.0	1	6418677165955
HALP234011		230	400.5	111.5	91.5	99.0	1	6418677165962
HALP236011		230	600	114.0	93.0	101.5	1	6418677165979
HALP314011		310	403	111.5	91.5	100.5	1	6418677165986
HALP314018		310	403	181.5	161.5	171.0	1	6418677165993
HALP316011		310	601	112.0	92.0	102.0	1	6418677166006
HALP316018		310	601	180.0	160.0	169.0	1	6418677166013



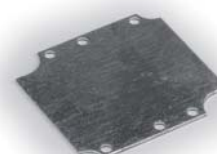
HALP050503



HALP163609

Mounting plates and DIN rails

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
Mounting plates, galvanized steel				
HMP0808B	For 80 x 75 mm enclosures	68 x 64 x 1.5	1	6418677157578
HMP0813B	For 80 x 125 mm enclosures	68 x 113 x 1.5	1	6418677157585
HMP0818B	For 80 x 175 mm enclosures	68 x 164 x 1.5	1	6418677157592
HMP1212B	For 120 x 122 mm enclosures	108 x 110 x 1.5	1	6418677157608
HMP1222B	For 120 x 220 mm enclosures	108 x 207 x 1.5	1	6418677157615
HMP1236B	For 120 x 360 mm enclosures	108 x 346 x 1.5	1	6418677157622
HMP1616B	For 160 x 160 mm enclosures	144 x 147 x 1.5	1	6418677157639
HMP1626B	For 160 x 260 mm enclosures	143 x 246 x 1.5	1	6418677157646
HMP1636B	For 160 x 360 mm enclosures	147 x 344 x 1.5	1	6418677157653
HMP1656B	For 160 x 560 mm enclosures	144 x 544 x 2.5	1	6418677157660
HMP2023B	For 200 x 230 mm enclosures	214 x 184 x 1.5	1	6418677157677
HMP2328B	For 230 x 280 mm enclosures	214 x 264 x 1.5	1	6418677157684
HMP2333B	For 230 x 330 mm enclosures	214 x 314 x 1.5	1	6418677157691
HMP2340B	For 230 x 400 mm enclosures	214 x 385 x 1.5	1	6418677157707
HMP2360B	For 230 x 600 mm enclosures	214 x 585 x 1.5	1	6418677157714
HMP3140B	For 310 x 400 mm enclosures	293 x 385 x 1.5	1	6418677157721
HMP3160B	For 310 x 600 mm enclosures	293 x 585 x 2.5	1	6418677157738
DIN rails, galvanized steel				
DR15.0610	DIN 15, for 64 x 98 mm enclosures	15 x 85	1	6418677156991
DR15.0615	DIN 15, for 64 x 150 mm enclosures	15 x 135	1	6418677157004
DR15.0808H	DIN 15, for 80 x 75 mm enclosures	15 x 63	1	6418677157011
DR15.0813	DIN 15, for 80 x 175 mm enclosures	15 x 110	1	6418677157028
DR15.0818	DIN 15, for 80 x 175 mm enclosures	15 x 160	1	6418677157035
DR15.0825	DIN 15, for 80 x 250 mm enclosures	15 x 238	1	6418677157042
DR35.1212	DIN 35, for 120 x 122 mm enclosures	35 x 105	1	6418677157059
DR35.1220	DIN 35, for 120 x 220 mm enclosures	35 x 205	1	6418677157066
DR35.12/1636	DIN 35, for 120/160 x 360 mm enclosures	35 x 345	1	6418677157073
DR35.1616	DIN 35, for 160 x 160 mm enclosures	35 x 145	1	6418677157080
DR35.1626	DIN 35, for 160 x 260 mm enclosures	35 x 245	1	6418677157097
DR35.1656	DIN 35, for 160 x 560 mm enclosures	35 x 545	1	6418677157103
DR35.2023	DIN 35, for 200 x 230 mm enclosures	35 x 185	1	6418677157110
DR35.2328	DIN 35, for 230 x 280 mm enclosures	35 x 265	1	6418677157134
DR35.2333	DIN 35, for 230 x 330 mm enclosures	35 x 315	1	6418677157141
DR35.23/3140	DIN 35, for 230/310 x 400 mm enclosures	35 x 385	1	6418677157158
DR35.23/3160	DIN 35, for 230/310 x 600 mm enclosures	35 x 580	1	6418677157165



HMP0808B



DR15.0808H

Ensto Cubo H enclosures

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
HMHI2	Hinge pair	25 x 40 x 11.5	1	6418677165443
HMFL4	Wall mounting lugs, set of 4 pcs, AISI 304	-	1	6418677165436



Hinge pair, HMHI2.

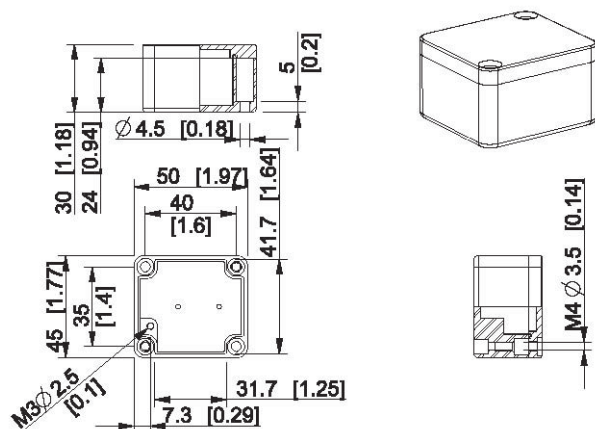


Fastening lug set, HMFL4.

Technical drawings, Ensto Cubo H

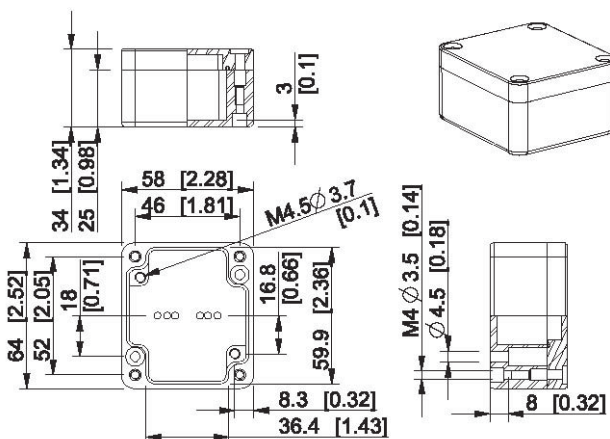
Measurements in mm [inch]

Ensto Cubo H 50 x 45 x 30 mm



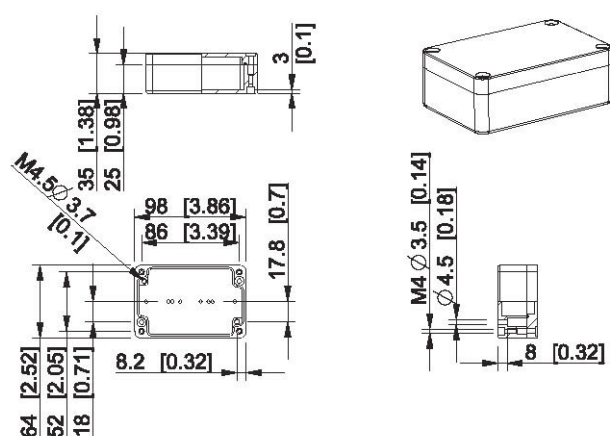
Product code: HALP050503
Description: Plain sides, aluminium

Ensto Cubo H 64 x 58 x 34 mm



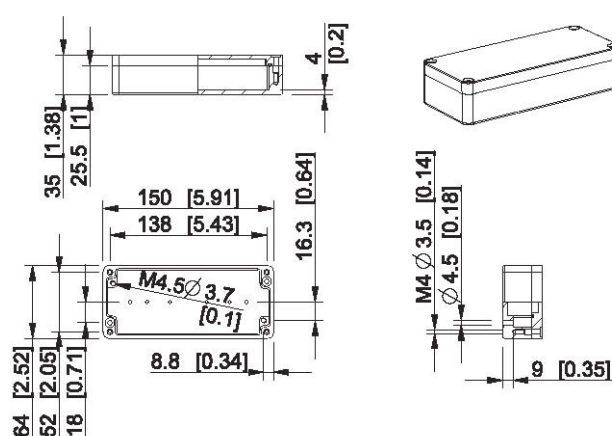
Product code: HALP060604
Description: Plain sides, aluminium

Ensto Cubo H 64 x 98 x 35 mm



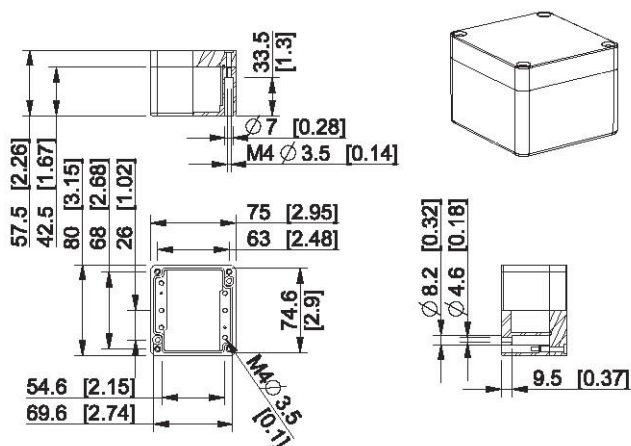
Product code: HALP061004
Description: Plain sides, aluminium

Ensto Cubo H 64 x 150 x 35 mm



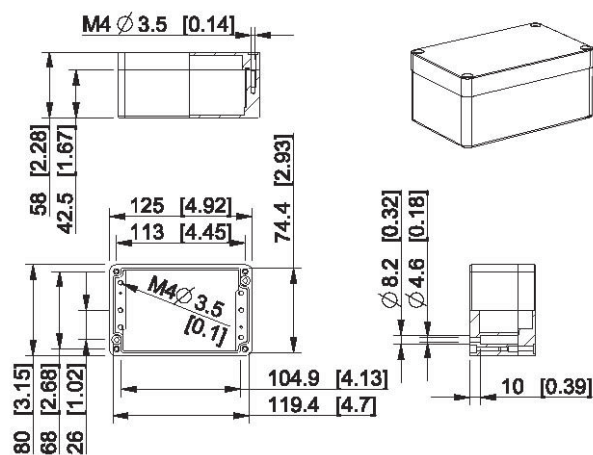
Product code: HALP061504
Description: Plain sides, aluminium

Ensto Cubo H 80 x 75 x 57.5 mm



Product code: HALP080806
Description: Plain sides, aluminium

Ensto Cubo H 80 x 125 x 58 mm

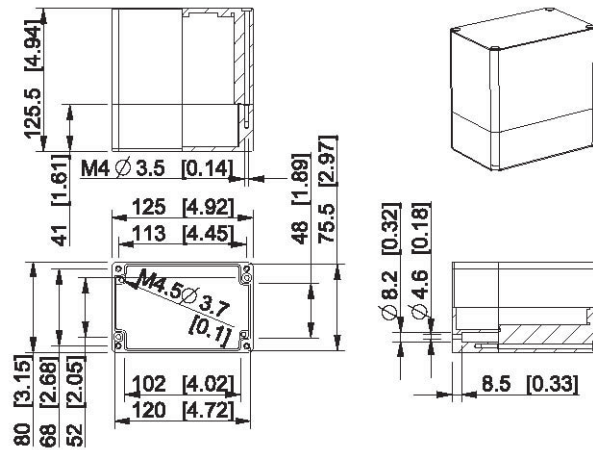


Product code: HALP081306
Description: Plain sides, aluminium

Technical drawings, Ensto Cubo H

Measurements in mm [inch]

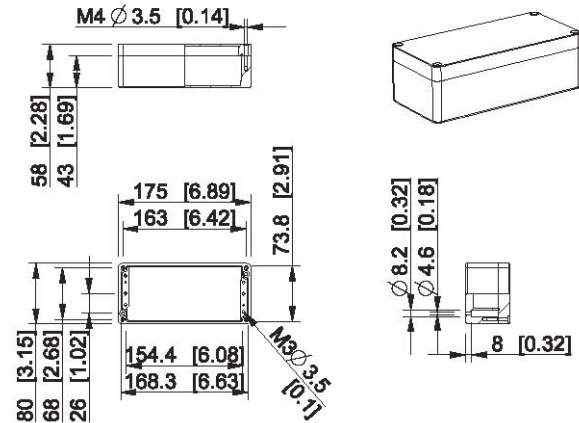
Ensto Cubo H 80 x 125 x 125.5 mm



Product code
HALP081313

Description
Plain sides, aluminium

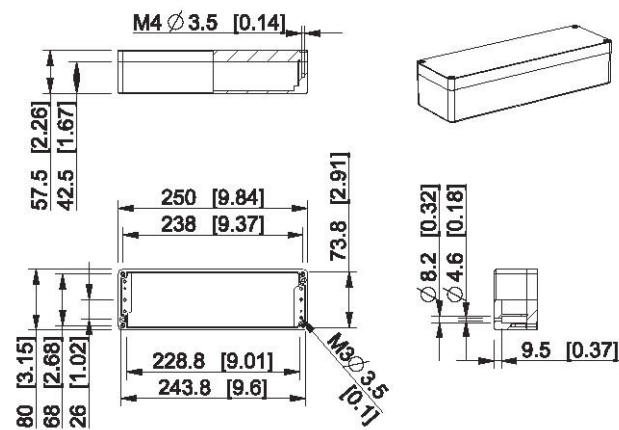
Ensto Cubo H 80 x 175 x 58 mm



Product code
HALP081806

Description
Plain sides, aluminium

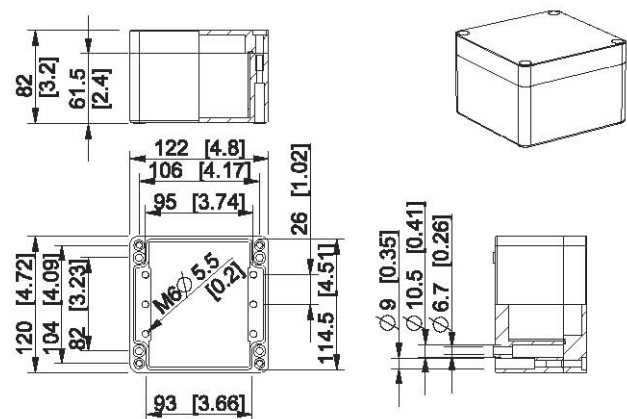
Ensto Cubo H 80 x 250 x 57.5 mm



Product code
HALP082506

Description
Plain sides, aluminium

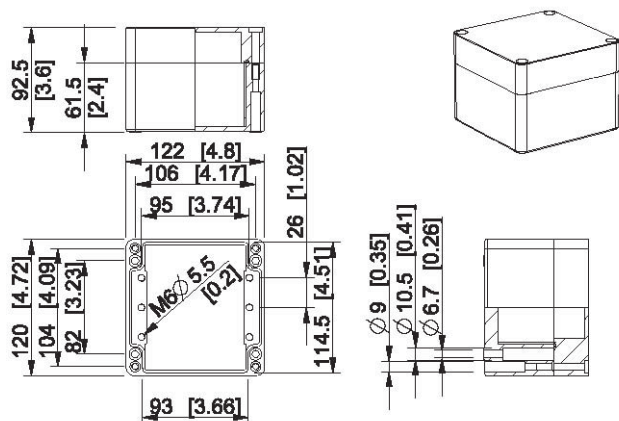
Ensto Cubo H 120 x 122 x 82 mm



Product code
HALP121208

Description
Plain sides, aluminium

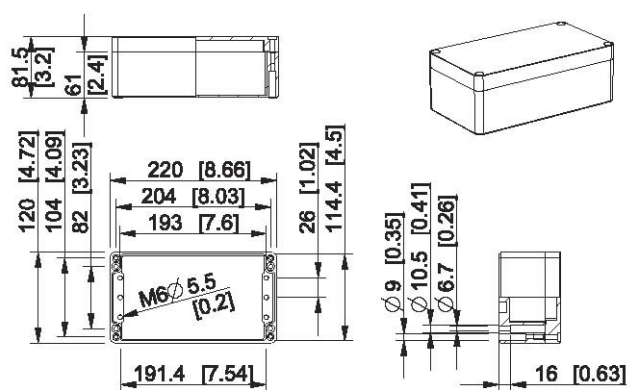
Ensto Cubo H 120 x 122 x 92.5 mm



Product code
HALP121209

Description
Plain sides, aluminium

Ensto Cubo H 120 x 220 x 81.5 mm



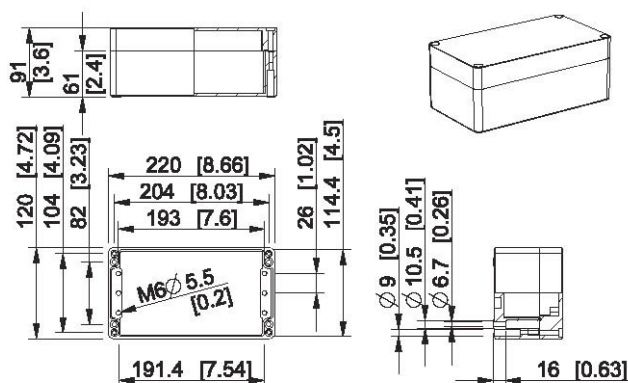
Product code
HALP122208

Description
Plain sides, aluminium

Technical drawings, Ensto Cubo H

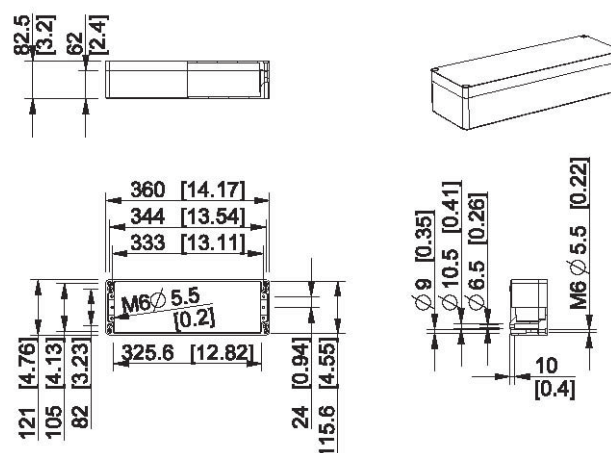
Measurements in mm [inch]

Ensto Cubo H 120 x 220 x 91 mm



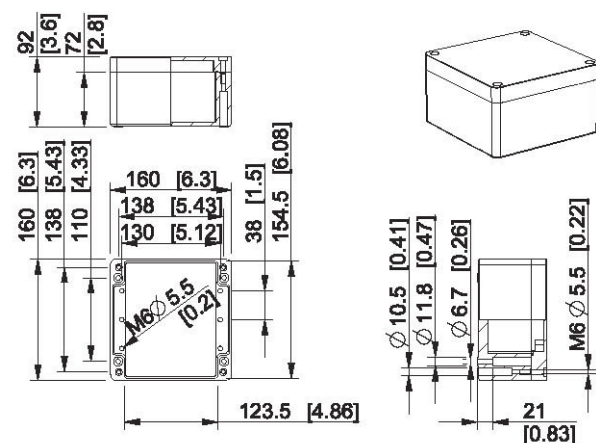
Product code HALP122009
Description Plain sides, aluminium

Ensto Cubo H 121 x 360 x 82.5 mm



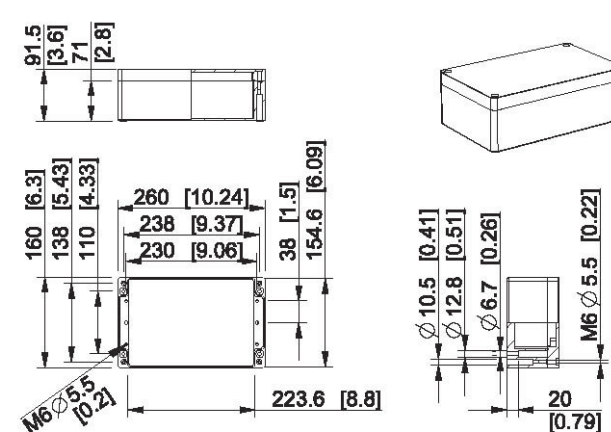
Product code HALP123608
Description Plain sides, aluminium

Ensto Cubo H 160 x 160 x 92 mm



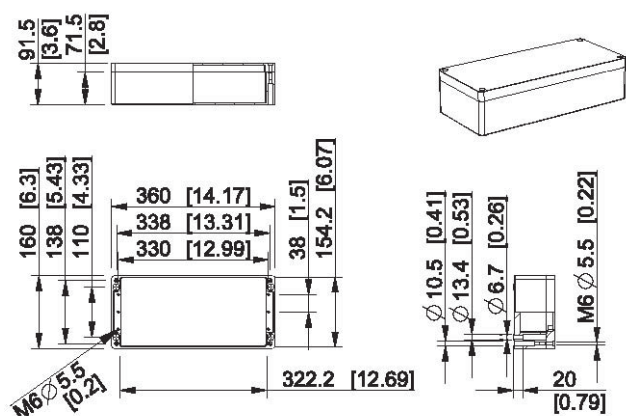
Product code HALP161609
Description Plain sides, aluminium

Ensto Cubo H 160 x 260 x 91.5 mm



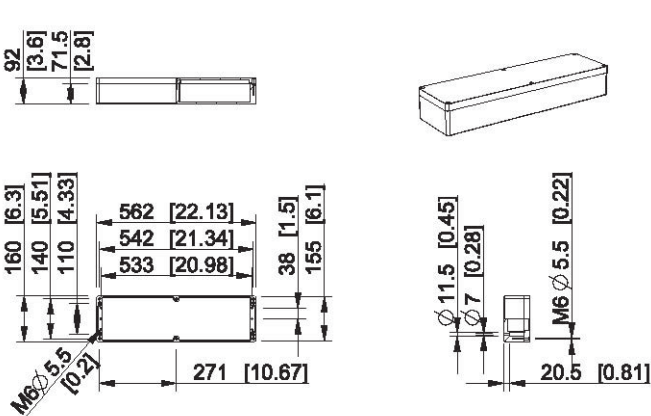
Product code HALP162609
Description Plain sides, aluminium

Ensto Cubo H 160 x 360 x 91.5 mm



Product code HALP163609
Description Plain sides, aluminium

Ensto Cubo H 160 x 562 x 92 mm

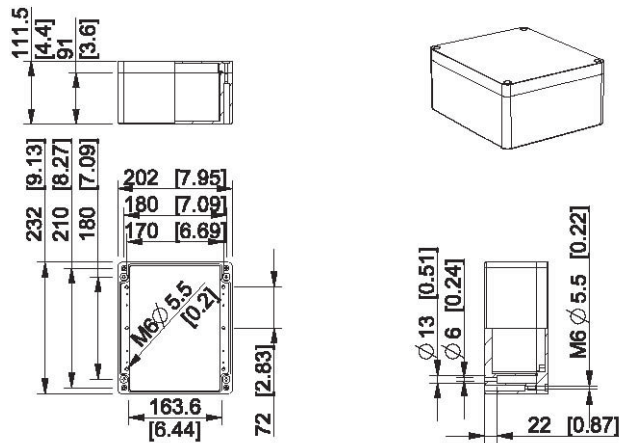


Product code HALP165609
Description Plain sides, aluminium

Technical drawings, Ensto Cubo H

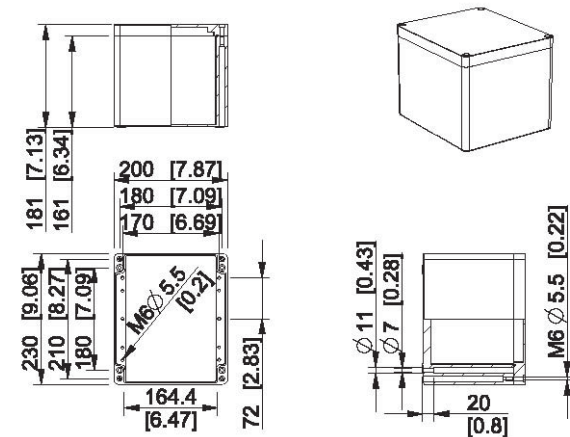
Measurements in mm [inch]

Ensto Cubo H 202 x 232 x 111.5 mm



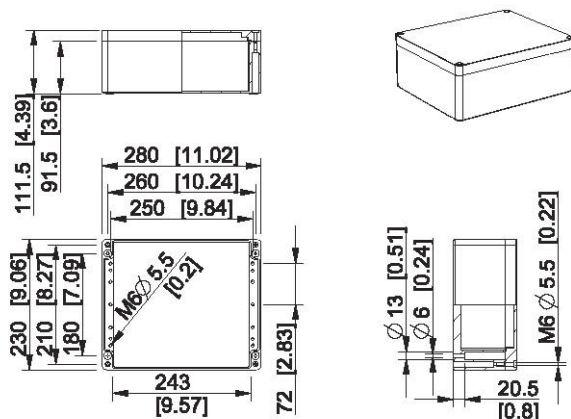
Product code HALP202311
Description Plain sides, aluminium

Ensto Cubo H 200 x 230 x 181 mm



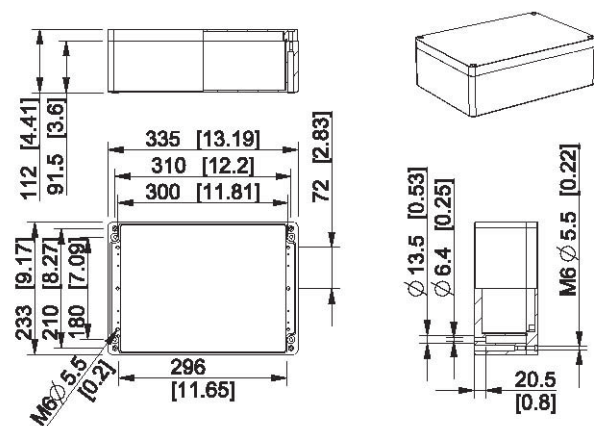
Product code HALP202318
Description Plain sides, aluminium

Ensto Cubo H 230 x 280 x 111.5 mm



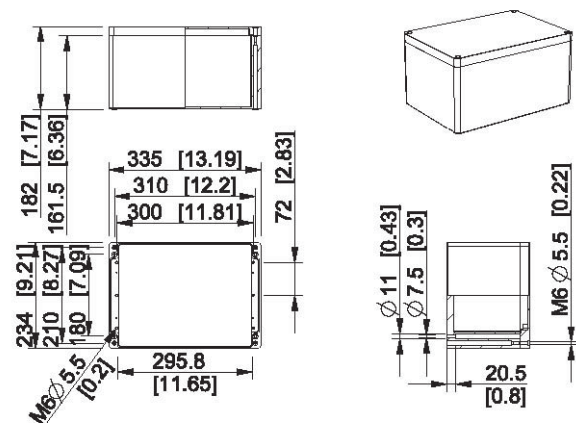
Product code HALP232811
Description Plain sides, aluminium

Ensto Cubo H 233 x 335 x 112 mm



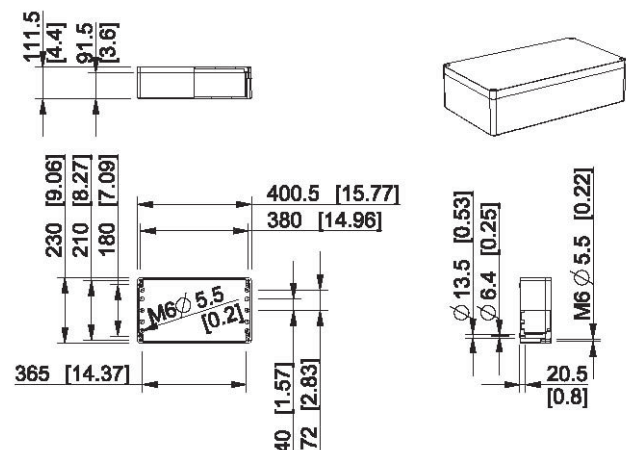
Product code HALP233311
Description Plain sides, aluminium

Ensto Cubo H 234 x 335 x 182 mm



Product code HALP233318
Description Plain sides, aluminium

Ensto Cubo H 230 x 400.5 x 111.5 mm

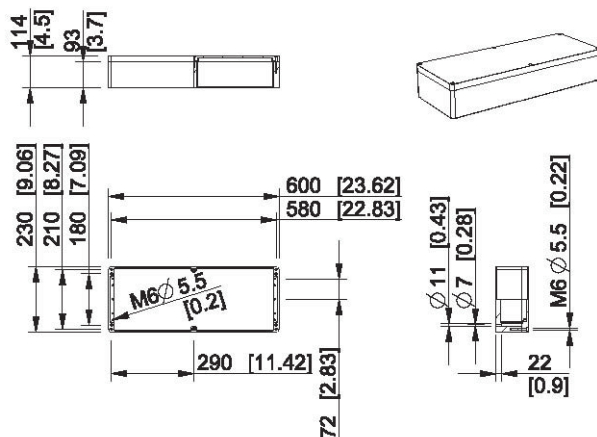


Product code HALP234011
Description Plain sides, aluminium

Technical drawings, Ensto Cubo H

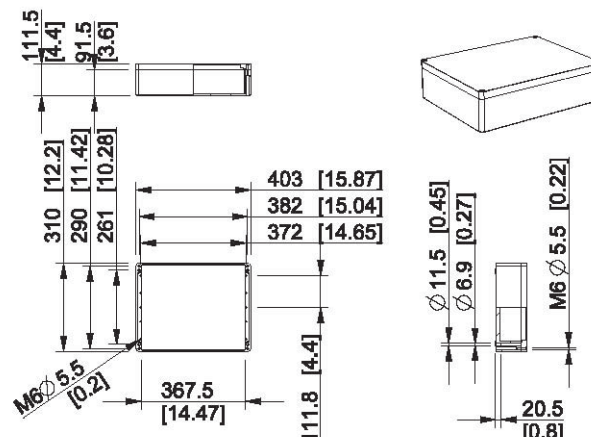
Measurements in mm [inch]

Ensto Cubo H 230 x 600 x 114 mm



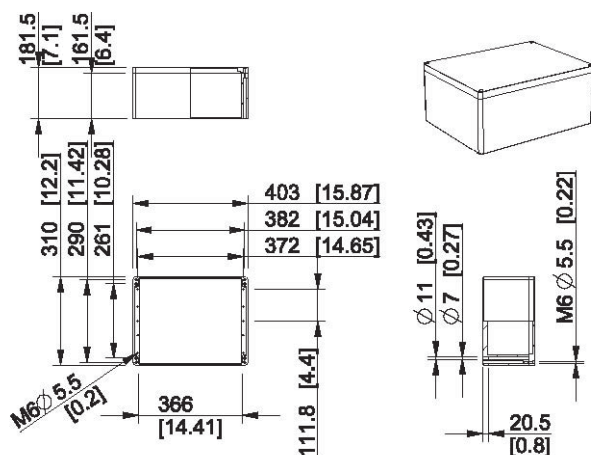
Product code HALP236011
Description Plain sides, aluminium

Ensto Cubo H 310 x 403 x 111.5 mm



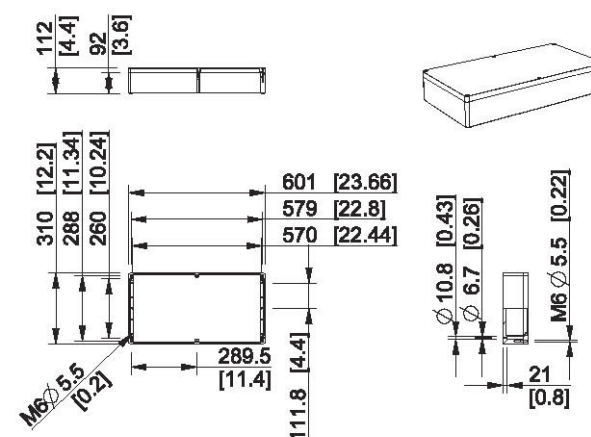
Product code HALP314011
Description Plain sides, aluminium

Ensto Cubo H 310 x 403 x 181.5 mm



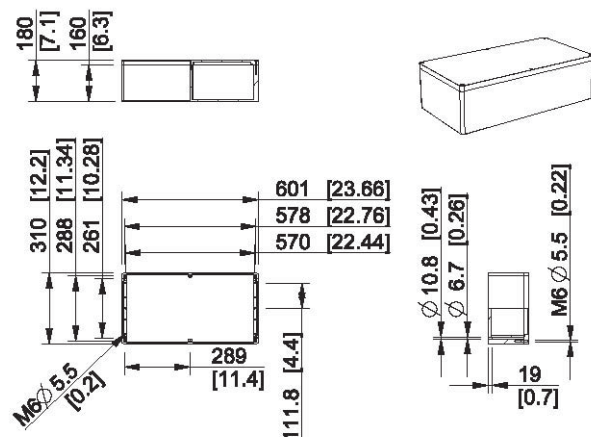
Product code HALP314018
Description Plain sides, aluminium

Ensto Cubo H 310 x 601 x 112 mm



Product code HALP316011
Description Plain sides, aluminium

Ensto Cubo H 310 x 601 x 180 mm



Product code HALP316018
Description Plain sides, aluminium

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Common accessories for enclosures



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Common accessories for enclosures

Cover plates for flange openings

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F1151	F1 size excl. gasket, PC/ABS	137 x 48	1	6418677171833
F2251	F2 size incl. PUR gasket, PC	216 x 86	1	6418677171949



F2251

Gland flanges

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F1165	F1 size, excl. gasket, 3 x M20, PC/ABS	137 x 48	1	6418677152641
F1166	F1 size, excl. gasket, 3 x M25, PC/ABS	137 x 48	1	6418677152658
F1167	F1 size, excl. gasket, 1 x M32, PC/ABS	137 x 48	1	6418677152665
F2157	F2 size, incl. PUR gasket, 3 x Pg21 + 4 x Pg16, PC	216 x 86	1	6418677171956
F2158	F2 size, incl. PUR gasket, 2 x Pg29 + 6 x Pg16, PC	216 x 86	1	6418677171963
F2159	F2 size, incl. PUR gasket, 2 x Pg36 + 4 x Pg16, PC	216 x 86	1	6418677171970
F2160	F2 size, incl. PUR gasket, 8 x Pg16, PC	216 x 86	1	6418677171987
F2161	F2 size, incl. PUR gasket, 10 x Pg13.5, PC	216 x 86	1	6418677171994
F2168	F2 size, incl. PUR gasket, 4 x M20 + 1 x M25 + 2 x M32, PC	216 x 86	1	6418677152672
F2169	F2 size, incl. PUR gasket, 6 x M20 + 1 x M32 + 1 x M4, PC	216 x 86	1	6418677152689
F2170	F2 size, incl. PUR gasket, 4 x M20 + 2 x M40, PC	216 x 86	1	6418677152696
F2171	F2 size, incl. PUR gasket, 8 x M20, PC	216 x 86	1	6418677152702
F2172	F2 size, incl. PUR gasket, 10 x M16, PC	216 x 86	1	6418677152719



F2157

Knockout flanges

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F2252	F2 size, incl. PUR gasket, 7 x Pg11 + 7 x Pg9/16, PC	216 x 86	1	6418677172113
F2253	F2 size, incl. PUR gasket, 2 x Pg21/29/36 + 2 x Pg9/16 + 1 x Pg11, PC	216 x 86	1	6418677172397
F2254	F2 size, incl. PUR gasket, 5 x Pg16/21 + 2 x Pg11 + 1 x Pg9/16, PC	216 x 86	1	6418677172403
F2255	F2 size, incl. PUR gasket, 7 x M16 + 7 x M12/20, PC	216 x 86	1	6418677172595
F2256	F2 size, incl. PUR gasket, 2 x M20/32/50 + 2 x M12/20 + 2 x M16, PC	216 x 86	1	6418677172625
F2257	F2 size, incl. PUR gasket, 5 x M20/32 + 2 x M16 + 1 x M12/20, PC	216 x 86	1	6418677172700



F2252

Membrane flanges

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F1201	F1 size, for 5x ø 7-30 mm cables, EPDM	138 x 48	1	6418677171871
F2202	F2 size, for 25 x ø 5-26 mm cables, EPDM	216 x 84	1	6418677172007
F2203	F2 size, for 35 x ø 5-26 mm cables, EPDM	216 x 84	1	6418677172014
F2204	F2 size, for 3 x ø 24-60 mm cables, EPDM	216 x 84	1	6418677172021
F1155	F1 size, excl. gasket, 3 x ø 21 + 4 x ø 15 mm, TPE	135 x 47	1	6418677171888
F1156	F1 size, excl. gasket, 4 x ø 16 + 6 x ø 13 mm, TPE	135 x 47	1	6418677171895
F2162	F2 size, excl. gasket, 3 x ø 30 + 6 x ø 18 + 16 x ø 14 mm, TPE	226 x 87	1	6418677172038
F2163	F2 size, excl. gasket, 9 x ø 18 + 24 x ø 14 mm, TPE	226 x 87	1	6418677172045

EPDM = ethylene propylene diene M-class rubber
TPE = thermoplastic elastomer



F2202

Common accessories for enclosures

Flange accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F2CE.1	Cable spreader for 1 cable	216 x 86 x 68	1	6418677181672
F2C50E	50 mm extension frame for F2 flange, polycarbonate	216 x 86 x 50	1	6418677173448
F1G	Self-adhesive flange gasket, F1 size	137 x 48	1	6418677171925
F2G	Self-adhesive flange gasket, F2 size	216 x 84	1	6418677172076
F1SS20	Flange bolt set, F1 size, steel bolt with plastic head	M6 x 20	1	6418677173066
F2SS20	Flange bolt set, F2 size, steel bolt with plastic head	M6 x 25	1	6418677171932
F2SS20L	Flange bolt set, F2 size, steel bolt with plastic head + steel connector	M8 x 20	1	6418677181689
F1PA25	Flange bolt set, F1 size, polyamide	M6 x 25	1	6418677173080
F2PA30	Flange bolt set, F2 size, polyamide	M8 x 30	1	6418677172083
PMR1857	Flange/base support for F2 size, polyamide	216 x 22	10	6418677172106
PMR1858	Isolating cup for support PMR1857, polyamide	ø 18 mm	20	6418677171796



Cable spreader for 1 cable, F2CE.1.



50 mm extension frame for F2 flange, F2C50E.



Self-adhesive flange gasket, F2 size, F2G.



Flange bolt set, F2 size, steel bolt with plastic head, F2SS20.



Flange bolt set, F2 size + steel connector, M8 x 20, F2SS20L.



Flange bolt set, F2 size, polyamide, F2PA30.



Flange/base support for F2 size, PMR1857.



Isolating cup for support PMR1857, PMR1858.

Membrane flange for steel enclosures only

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PMR331	F2 size, for cable ø: 37/32/27/22/17/12 mm	79 x 210 x 28	10	6418677163555



PMR331

Common accessories for enclosures

Flange and gland sets

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
F2202KIT	Flange set, F2202, F2 size	84 x 215 x 40	1	6418677182556
F2CE.1T	Complete cable entry, F2 size	84 x 215 x 40	1	6418677181535
KTM1.1	Cable gland set: 2 x M12, 3 x M16, 2 x M20	135 x 210 x 25	1	6418677173233
KTM2.1	Cable gland set: 3 x M16, 2 x M20, 2 x M25	135 x 210 x 30	1	6418677173240
KTM3.1	Cable gland set: 4 x M20, 2 x M25, 1 x M32	135 x 210 x 55	1	6418677173257
F2GSS20T	Mounting kit for Cubo C bases, F2 size	200 x 250 x 15	1	6418677181504
OLSH1.2	Hinged and slotted cover screw, pair (blue)	130 x 170 x 15	1	6418677181511



Flange set, F2202, F2 size, F2202KIT.



Complete cable entry, F2 size, F2CE.1T.



Cable gland set, KTM1.1.



Mounting kit for Cubo C bases, F2GSS20T.



Hinged and slotted cover screw, pair, OLSH1.2.

Inspection windows, polycarbonate

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
VMA2	For 2 modules	67 x 59	1	6418677151170
VMA4	For 4 modules	67 x 94	1	6418677151187
VMA6	For 6 modules	67 x 130	1	6418677151194
VMA8	For 8 modules	67 x 163	1	6418677151200
VMA10	For 10 modules	67 x 200	1	6418677151217
VMA12	For 12 modules	67 x 233	1	6418677151224
VMA1519	Opening: 113 x 153 mm, incl. screws	150 x 190 x 10	1	6418677174193



Inspection window, for 2 modules, VMA2.



Inspection window with opening, VMA1519.

Common accessories for enclosures

Ventilation devices and breathers

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
VDRI18	Ventilation device, IP 43, polyamide	25 x 28	10	6418677151231
VDRI29	Ventilation device, IP 34, polyamide	30.5 x 69	1	6418677151248
BPA10H	Breather, IP 68, polyamide, grey, 120 l/h	ø19 x 17	1	6418677184314
BPA10HB	Breather, IP 68, polyamide, black, 120 l/h	ø19 x 17	1	6418677184321
BSS10S	Breather, IP 68, AISI 304, 16l/h	ø19 x 21	1	6418677184307
BSS10H	Breather, IP 68, AISI 304, 120l/h	ø19 x 21	1	6418677184963
DWP1	Drain water plug, IP 44, rubber	ø33	10	6418677172731



Ventilation device, IP 43, VDRI18.



Ventilation device, IP 24, VDRI29.



Breather, IP 68, polyamide, grey, 120 l/h, BPA10H.



Breather, IP 68, stainless steel, 16 l/h, BSS10S.



Drain water plug, DWP1.

Distance bushings

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
PSK36.025	External ø 10 mm, aluminium	Length 2.5 mm	100	6418677166891
PSK36.050	External ø 10 mm, aluminium	Length 5.0 mm	100	6418677166907
PSK36.085	External ø 10 mm, aluminium	Length 8.5 mm	100	6418677166914
PSK36.100	External ø 10 mm, aluminium	Length 10.0 mm	100	6418677166921
PSK36.120	External ø 10 mm, aluminium	Length 12.0 mm	50	6418677166938
PSK36.150	External ø 10 mm, aluminium	Length 15.0 mm	50	6418677166945
PSK36.200	External ø 10 mm, aluminium	Length 20.0 mm	50	6418677166952
PSK36.250	External ø 10 mm, aluminium	Length 25.0 mm	50	6418677166969
PSK36.300	External ø 10 mm, aluminium	Length 30.0 mm	50	6418677166976
PSK36.350	External ø 10 mm, aluminium	Length 35.0 mm	50	6418677166983
PSK36.400	External ø 10 mm, aluminium	Length 40.0 mm	25	6418677166990
PSK36.450	External ø 10 mm, aluminium	Length 45.0 mm	25	6418677166003
PSK36.500	External ø 10 mm, aluminium	Length 50.0 mm	25	6418677166010



PSK36.150

Cable glands, polyamide

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric thread				
KTM24.12	Cable ø 3-6.5 mm, thread length 8 mm	M12	20	6416031851124
KTM24.16	Cable ø 5-10 mm, thread length 10 mm	M16	20	6416031851162
KTM24.16L	Cable ø 5-10 mm, thread length 15 mm	M16	20	6418677171062
KTM24.20	Cable ø 10-14 mm, thread length 10 mm	M20	20	6416031851209
KTM24.20L	Cable ø 10-14 mm, thread length 15 mm	M20	20	6418677171079
KTM24.25	Cable ø 13-18 mm, thread length 10 mm	M25	15	6416031851254
KTM24.25L	Cable ø 13-18 mm, thread length 15 mm	M25	15	6418677171086
KTM24.32	Cable ø 18-25 mm, thread length 18 mm	M32	10	6416031851322
KTM24.40	Cable ø 22-32 mm, thread length 18 mm	M40	5	6416031851407
KTM24.50	Cable ø 30-38 mm, thread length 18 mm	M50	3	6416031851506
KTM24.63	Cable ø 34-44 mm, thread length 18 mm	M63	2	6418677171031



KTM24.12

Common accessories for enclosures

Cable glands, polyamide

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Pg thread, grey, incl. strain relief				
KT24.07	Cable ø 3-6 mm, thread length 8 mm	Pg7	10	6418677170836
KT24.09	Cable ø 4-8 mm, thread length 8 mm	Pg9	15	6418677170843
KT24.11	Cable ø 5-10 mm, thread length 8 mm	Pg11	20	6418677170850
KT24.13	Cable ø 6-12 mm, thread length 9 mm	Pg13.5	20	6418677170867
KT24.16	Cable ø 10-13 mm, thread length 10 mm	Pg16	20	6418677170874
KT24.21	Cable ø 13-18 mm, thread length 11 mm	Pg21	15	6418677170881
KT24.29	Cable ø 18-25 mm, thread length 11 mm	Pg29	5	6418677170898
KT24.36	Cable ø 22-31 mm, thread length 13 mm	Pg36	5	6418677170904
KT24.42	Cable ø 30-38 mm, thread length 13 mm	Pg42	3	6418677170911
KT24.48	Cable ø 34-44 mm, thread length 14 mm	Pg48	2	6418677170928
Pg thread, black, incl. strain relief				
KT24.07/BLACK	Cable ø 2-5 mm, thread length 8 mm	Pg7	10	6418677158803
KT24.09/BLACK	Cable ø 2-6 mm, thread length 8 mm	Pg9	15	6418677158810
KT24.11/BLACK	Cable ø 3-7 mm, thread length 8 mm	Pg11	20	6418677158827
KT24.13/BLACK	Cable ø 5-9 mm, thread length 9 mm	Pg13.5	20	6418677158834
KT24.16/BLACK	Cable ø 7-12 mm, thread length 10 mm	Pg16	20	6418677158841
KT24.21/BLACK	Cable ø 9-16 mm, thread length 11 mm	Pg21	15	6418677158858
KT24.29/BLACK	Cable ø 12-20 mm, thread length 11 mm	Pg29	5	6418677158865
KT24.36/BLACK	Cable ø 20-26 mm, thread length 13 mm	Pg36	5	6418677158872
KT24.42/BLACK	Cable ø 25-31 mm, thread length 13 mm	Pg42	3	6418677158889
KT24.48/BLACK	Cable ø 29-35 mm, thread length 14 mm	Pg48	2	6418677158896



KT24.07



KT24.16/BLACK

Counter nuts, polyamide

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric thread				
PMR1218.12	Height/ø 5/18 mm	M12	20	6416031859120
PMR1218.16	Height/ø 5/22 mm	M16	20	6416031859168
PMR1218.20	Height/ø 5/26 mm	M20	20	6416031859205
PMR1218.25	Height/ø 6/32 mm	M25	15	6416031859250
PMR1218.32	Height/ø 7/41 mm	M32	10	6416031859328
PMR1218.40	Height/ø 7/50 mm	M40	5	6416031859403
PMR1218.50	Height/ø 8/60 mm	M50	3	6416031859502
PMR1218.63	Height/ø 8/75 mm	M63	2	6418677171048
Pg thread				
PMR444.07	Height/ø 5/19 mm	Pg7	10	6418677170935
PMR444.09	Height/ø 5/22 mm	Pg9	15	6418677170942
PMR444.11	Height/ø 5/24 mm	Pg11	20	6418677170959
PMR444.13	Height/ø 6/27 mm	Pg13.5	20	6418677170966
PMR444.16	Height/ø 6/30 mm	Pg16	20	6418677170973
PMR444.21	Height/ø 7/36 mm	Pg21	15	6418677170980
PMR444.29	Height/ø 7/46 mm	Pg29	5	6418677170997
PMR444.36	Height/ø 8/60 mm	Pg36	5	6418677171000
PMR444.42	Height/ø 8/65 mm	Pg42	3	6418677171017
PMR444.48	Height/ø 8/70 mm	Pg48	2	6418677171024



PMR1218.12



PMR444.07

Cover plugs, polyamide

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric thread				
PMR1217.12	Height/ø 6/15 mm	M12	10	6416031853128
PMR1217.16	Height/ø 6/20 mm	M16	10	6416031853166
PMR1217.20	Height/ø 6/24 mm	M20	10	6416031853203
PMR1217.25	Height/ø 8/30 mm	M25	7	6416031853258
PMR1217.32	Height/ø 8/37 mm	M32	5	6416031853326
PMR1217.40	Height/ø 8/46 mm	M40	4	6416031853401
PMR1217.50	Height/ø 10/56 mm	M50	3	6416031853500
PMR1217.63	Height/ø 12/70 mm	M63	2	6418677171055
Pg thread				
PMR442.07	Height/ø 8/15 mm	Pg7	7	6418677169960
PMR442.09	Height/ø 9/19 mm	Pg9	7	6418677169403
PMR442.11	Height/ø 9/22 mm	Pg11	10	6418677169410
PMR442.13	Height/ø 9.5/25 mm	Pg13.5	10	6418677169427
PMR442.16	Height/ø 9.5/27 mm	Pg16	10	6418677169434
PMR442.21	Height/ø 11/33 mm	Pg21	7	6418677169441
PMR442.29	Height/ø 12/44 mm	Pg29	5	6418677169458
PMR442.36	Height/ø 15/55 mm	Pg36	4	6418677169465



PMR1217.12

Common accessories for enclosures

Expansion nipples, polyamide

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric to metric thread				
PMR1220.1216		M12 > M16	20	6416031856129
PMR1220.1620		M16 > M20	100	6416031856167
PMR1220.2025		M20 > M25	20	6416031856204
PMR1220.2532		M25 > M32	15	6416031856259
PMR1220.3240		M32 > M40	5	6416031856327
Metric to Pg thread				
PMR1221.1209		M12 > Pg9	15	6416031855122
PMR1221.1609		M16 > Pg9	15	6416031855160
PMR1221.2011		M20 > Pg11	20	6416031855207
PMR1221.2013		M20 > Pg13.5	20	6416031855214
PMR1221.2516		M25 > Pg16	20	6416031855252
PMR1221.2521		M25 > Pg21	15	6416031855269
PMR1221.3229		M32 > Pg29	15	6416031855320
PMR1221.4029		M40 > Pg29	5	6416031855405
PMR1221.5036		M50 > Pg36	5	6416031855504
PMR1221.5042		M50 > Pg42	3	6416031855511
PMR1221.6348		M63 > Pg48	2	6416031855634
Pg to Pg thread				
PMR440.094	Thread length 9 mm	Pg9 > Pg11	20	6418677169564
PMR440.114	Thread length 10 mm	Pg11 > Pg16	20	6418677169571
PMR440.134	Thread length 10 mm	Pg13.5 > Pg16	20	6418677169588
PMR440.164	Thread length 10 mm	Pg16 > Pg21	15	6418677169595
PMR440.214	Thread length 12 mm	Pg21 > Pg29	5	6418677169601
PMR440.294	Thread length 12 mm	Pg29 > Pg36	5	6418677169618



PMR1220.1216



PMR1221.1209

Reduction nipples, polyamide

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric to metric thread				
PMR1219.1612		M16 > M12	20	6416031854163
PMR1219.2012		M20 > M12	20	6416031854200
PMR1219.2016		M20 > M16	20	6416031854217
PMR1219.2512		M25 > M12	20	6416031854255
PMR1219.2516		M25 > M16	20	6416031854262
PMR1219.2520		M25 > M20	20	6416031854279
PMR1219.3216		M32 > M16	20	6416031854330
PMR1219.3220		M32 > M20	20	6416031854347
PMR1219.3225		M32 > M25	15	6416031854354
PMR1219.4020		M40 > M20	20	6416031854415
PMR1219.4025		M40 > M25	15	6416031854422
PMR1219.4032		M40 > M32	10	6416031854439
PMR1219.5025		M50 > M25	15	6416031854514
PMR1219.5032		M50 > M32	10	6416031854521
PMR1219.5040		M50 > M40	5	6416031854538
PMR1219.6332		M63 > M32	10	6416031854644
PMR1219.6340		M63 > M40	5	6416031854651
PMR1219.6350		M63 > M50	3	6416031854668
Pg to Pg thread				
PMR439.111	Thread length 9 mm	Pg11 > Pg9	15	6418677169472
PMR439.131	Thread length 10 mm	Pg13.5 > Pg11	20	6418677169489
PMR439.161	Thread length 10 mm	Pg16 > Pg9	15	6418677169496
PMR439.162	Thread length 10 mm	Pg16 > Pg11	20	6418677169502
PMR439.211	Thread length 12 mm	Pg21 > Pg11	20	6418677169519
PMR439.212	Thread length 12 mm	Pg21 > Pg16	20	6418677169526
PMR439.291	Thread length 12 mm	Pg29 > Pg16	20	6418677169533
PMR439.292	Thread length 12 mm	Pg29 > Pg21	15	6418677169540
PMR439.361	Thread length 14 mm	Pg36 > Pg29	5	6418677169557



PMR1219.1612



PMR439.111

Common accessories for enclosures

Cable glands, brass

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric thread, incl. strain relief and O ring				
KTM12.12	Cable ø 3-6.5 mm, thread length 6 mm	M12	10	6416031812125
KTM12.16	Cable ø 4-8 mm, thread length 7 mm	M16	10	6416031812163
KTM12.20	Cable ø 6-12 mm, thread length 8 mm	M20	15	6416031812200
KTM12.25	Cable ø 10-14 mm, thread length 8 mm	M25	10	6416031812255
KTM12.32	Cable ø 13-18 mm, thread length 9 mm	M32	10	6416031812323
KTM12.40	Cable ø 18-25 mm, thread length 9 mm	M40	5	6416031812408
KTM12.50	Cable ø 22-32 mm, thread length 9 mm	M50	3	6416031812507
KTM12.6332	Cable ø 34-44 mm, thread length 14 mm	M63	2	6416031812637



Counter nuts, brass

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric thread				
PTK16.12	Height/ø 2.8/15 mm	M12	10	6416031813122
PTK16.16	Height/ø 3/19 mm	M16	10	6416031813160
PTK16.20	Height/ø 3.5/24 mm	M20	15	6416031813207
PTK16.25	Height/ø 4/30 mm	M25	10	6416031813252
PTK16.32	Height/ø 5/36 mm	M32	10	6416031813320
PTK16.40	Height/ø 5/46 mm	M40	5	6416031813405
PTK16.50	Height/ø 5/60 mm	M50	3	6416031813504
PTK16.63	Height/ø 5/70 mm	M63	2	6416031813634



Cover plugs, brass

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric thread				
PTK17.12	Height/ø 7.5/14 mm	M12	5	6416031814129
PTK17.16	Height/ø 8/18 mm	M16	5	6416031814167
PTK17.20	Height/ø 9.5/22 mm	M20	7	6416031814204
PTK17.25	Height/ø 11/28 mm	M25	5	6416031814259
PTK17.32	Height/ø 12/35 mm	M32	5	6416031814327
PTK17.40	Height/ø 13/44 mm	M40	4	6416031814402
PTK17.50	Height/ø 15/54 mm	M50	3	6416031814501
PTK17.63	Height/ø 16/67 mm	M63	2	6416031814631
Pg thread				
PT34.07	Height/ø 8/14 mm	Pg7	5	6418677168697
PT34.09	Height/ø 9/17 mm	Pg9	5	6418677168628
PT34.11	Height/ø 9/20 mm	Pg11	5	6418677168635
PT34.13	Height/ø 9.5/22 mm	Pg13.5	7	6418677168642
PT34.16	Height/ø 9.5/24 mm	Pg16	7	6418677168659
PT34.21	Height/ø 11/30 mm	Pg21	10	6418677168666
PT34.29	Height/ø 12/39 mm	Pg29	7	6418677168673
PT34.36	Height/ø 15/50 mm	Pg36	5	6418677168680
PT34.42	Height/ø 16/64 mm	Pg42	3	6418677168703
PT34.48	Height/ø 16/67 mm	Pg48	3	6418677168710



Common accessories for enclosures

Expansion nipples, brass

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric to metric thread				
PTK19.1216		M12 > M16	10	6416031816123
PTK19.1620		M16 > M20	15	6416031816161
PTK19.2025		M20 > M25	10	6416031816208
PTK19.2532		M25 > M32	10	6416031816253
PTK19.3240		M32 > M40	5	6416031816321
PTK19.4050		M40 > M50	3	6416031816406
PTK19.5063		M50 > M63	2	6416031816505
Metric to Pg thread				
PTK21.1209		M12 > Pg9	10	6416031822124
PTK21.1611		M16 > Pg11	10	6416031822162
PTK21.2016		M20 > Pg16	15	6416031822209
PTK21.2521		M25 > Pg21	20	6416031822254
PTK21.3229		M32 > Pg29	15	6416031822322
PTK21.4036		M40 > Pg36	10	6416031822407
PTK21.5042		M50 > Pg42	3	6416031822506
PTK21.5048		M50 > Pg48	2	6416031822513



PTK19.1216

Reduction nipples, brass

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
Metric to metric thread				
PTK18.1612	M16 > M12	M16	10	6416031815164
PTK18.2012	M20 > M12	M20	10	6416031815201
PTK18.2016	M20 > M16	M20	10	6416031815218
PTK18.2516	M25 > M16	M25	10	6416031815256
PTK18.2520	M25 > M20	M25	15	6416031815263
PTK18.3220	M32 > M20	M32	15	6416031815324
PTK18.3225	M32 > M25	M32	10	6416031815331
PTK18.4025	M40 > M25	M40	10	6416031815409
PTK18.4032	M40 > M32	M40	10	6416031815416
PTK18.5032	M50 > M32	M50	10	6416031815508
PTK18.5040	M50 > M40	M50	5	6416031815515
PTK18.6340	M63 > M40	M63	5	6416031815638
PTK18.6350	M63 > M50	M63	3	6416031815645



PTK18.1612

Rubber grommets

Product code	Description	Dimensions	Package size (pcs)	EAN 13 code
SET5-7H	Hole ø 16 mm	Cø 5-7 mm	20	6416031055072
SET7-10H	Hole ø 19 mm	Cø 7-10 mm	20	6416031055102
SET10-14H	Hole ø 23 mm	Cø 10-14 mm	20	6416031055140
SET14-20H	Hole ø 29 mm	Cø 14-20 mm	10	6416031055201
SET20-26H	Hole ø 38 mm	Cø 20-26 mm	10	6416031055263
SET26-32H	Hole ø 48 mm	Cø 26-32 mm	5	6416031055324



SET5-7H

Common accessories for enclosures

Other accessories

Product code	Description	Dimensions (mm)	Package size (pcs)	EAN 13 code
PMR54.20	Socket joint, for cable $\varnothing$ 9-13 mm, grey plastic	$\varnothing$ 26 x 17	50	6418677163579
PMR70.1612	Wiring plug, cable lead-through 16 mm, 12 ea./set	$\varnothing$ 20/16	5	6418677163784
PMR70.2012	Wiring plug, cable lead-through 20 mm, 12 ea./set	$\varnothing$ 22/20	5	6418677183791
PMR70.25	Wiring plug, cable lead-through 25 mm	$\varnothing$ 30/25	100	6418677163708
PMR70.32	Wiring plug, cable lead-through 32 mm	$\varnothing$ 37/32	100	6418677163715
PMR30	Cover for kWh opening for steel enclosures	39 x 110 x 4	10	6418677166723
PMR1387	Plug for cover panel, $\varnothing$ 6 mm hole	20 x 31 x 6	10	6418677166730
PME1	Cover plate, width 45 mm, length 2 m (PVC)	45 x 2000 x 7	1	6418677166747
KY2.15	Plastic latch, 15 mm closing space	$\varnothing$ 23 x 26	10	6418677166754
KY3	Delta wrench	20 x 50 x 22	10	6418677166761
KY3.10	Triangular wrench, lockable. Δ 11 mm	20 x 50 x 22	10	6418677166778
ST80/U	Triangular key, Δ 11 mm	34 x 52 x 16	10	6418677170430
KY4	Metal latch, 18 mm closing space	$\varnothing$ 28 x 31	10	6418677166785
KY6	Lock for modular covers	21 x 15 x 15	1	6418677173431
KY1.20	Fixing screw for kWh meter	M5 x 22	100	6418677166792
PTK14	Sealing screw, M4 x 10/16mm	L = 16	100	6418677166808
PTK13	Sealing screw, M4 x 16/22mm	L = 22	100	6418677166815
PTK11	Sealing screw, M4 x 20/25mm	L = 25	100	6418677166822
PLE152	Sealing screw, F4,2 x 16/21 mm	L = 21	100	6418677166839



Socket joint, PMR54.20.



Wiring plug, 12 ea./set, PMR70.1612.



Cover for kWh opening, PMR30.



Plug for cover panel, PMR1387.



Cover plate, PME1.



Plastic latch, KY2.15.



Delta wrench, KY3.



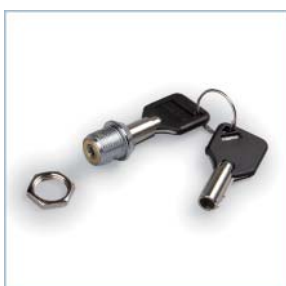
Triangular wrench, lockable, KY3.10.



Triangular key, ST80/U.



Metal latch, KY4.



Lock for modular covers, KY6.



Fixing screw for kWh meter, KY1.20.



Sealing screw, PTK14.

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