

When you need an at-motor non-fused disconnect switch with superior performance, look to c3controls. Our Series EDS2 Enclosed Disconnects feature 3- and 4-Pole disconnect switches in ABS Plastic, Carbon Steel, Die Cast and Polycarbonate enclosures with padlocking operating handles to take on your most demanding application requirements.

Enclosed DISCONNECT SWITCHES

Series EDS2 Enclosed IEC 22
Non-Fused Disconnect Switches

Accessories 24

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NOTE: The scope (range, description, price, specifications, dimensions, etc.) of the product featured in this section is subject to change without notice. Refer to www.c3controls.com for product updates.

Conformity to Standards: Certifications:

DISCONNECT SWITCHES
UL 508

CSA C22.2 No. 14
IEC 60947-1, 60947-3

UL File #: E187641 (Guide NLRV2,
NLRV7, NLRV8, NLRV)

CSA File #: 232541

CE Marked (per EU Low Voltage Directive
2006/95/EC and 93/68/EEC)



ENCLOSURES

UL 50
CSA C22.2 No. 94
IEC 60529

UL Listed
CSA Certified



Visit www.c3controls.com to download product certifications.

IT'S EASY TO BUILD YOUR OWN ENCLOSED DISCONNECT

Simply pick the code number from each of the sections below and combine them to build your part number. See page 6 for more detailed directions.

Series EDS2 Enclosed Disconnect Switches (Non-Fused)

EDS2 - I - II - III - IV - V - VI

Example: To build one of our most popular Enclosed Disconnects, the part number would be **EDS2 + II + III + IV + V + VI** or **EDS2-330-PC-GRY-A11**



I. DISCONNECT SWITCH TYPE

CODE	DESCRIPTION	PRICE
EDS2	Enclosed IEC Non-Fused Disconnect Switch	\$ 6.00

II. SWITCH CODE - # OF POLES & DISCONNECT SWITCH RATING

			RATINGS FOR SWITCHING AC MOTORS / HP (60HZ)					
			1 PHASE		3 PHASE			
CODE	NUMBER OF POLES	CURRENT RATING (A)	120V	240V	240V	480V	600V	PRICE
316	3	16	1/2	1-1/2	3	7-1/2	10	\$ 15.00
416	4							\$ 22.00
325	3	25	1-1/2	2	7-1/2	15	20	\$ 15.50
425	4							\$ 22.50
330	3	32	2	3	7-1/2	20	25	\$ 18.75
430	4							\$ 26.75
340	3	40	3	4	10	20	30	\$ 20.50
440	4							\$ 29.00
360	3	63	3	7-1/2	15	25	30	\$ 23.50
460	4							\$ 33.00

III. ENCLOSURE TYPE

CODE	MATERIAL	FOR SWITCH CODES	DIMENSION REF.	CAT. NO.	PRICE
ABS	ABS Plastic (IP65)	316, 416	1	ABSDSEN1	\$ 16.00
		325, 425, 330, 430	2	ABSDSEN2	\$ 16.00
		340, 440, 360, 460	3	ABSDSEN3	\$ 22.00
CS	Carbon Steel (Type 12, 13 & IP65)	325, 425, 330, 430, 340, 440, 360, 460	4	CSDSEN45	\$ 78.00
DC	Die Cast Aluminum (IP66)	325, 425, 330, 430, 340, 440, 360, 460	5	DCDSEN45	\$ 78.00
PC	Polycarbonate (Type 4X & IP65)	325, 330, 340, 360	6	PCDSEN	\$ 28.00
		425, 430, 440, 460	7	PCDSEN45	\$ 45.00

IV. OPERATING HANDLE TYPE

CODE	FOR SWITCH CODES	DESCRIPTION	PRICE
ABS ENCLOSURES			
L	316, 416	Lever (IP65)	\$ 4.50
G	325, 425, 330, 430, 340, 440, 360, 460	Round (Type 1, 2, 3, 3R, 4/4X, 12, 13 & IP65)	\$ 5.25
CARBON STEEL ENCLOSURES			
M	325, 425, 330, 430, 340, 440, 360, 460	Round (Type 1, 2, 3, 3R, 4/4X, 12, 13 & IP65)	\$ 15.50
G	325, 425, 330, 430, 340, 440, 360, 460	Round (Type 1, 2, 3, 3R, 4/4X, 12, 13 & IP65)	\$ 5.25
DIE CAST ALUMINUM ENCLOSURES			
M	325, 425, 330, 430, 340, 440, 360, 460	Round (Type 1, 2, 3, 3R, 4/4X, 12, 13 & IP65)	\$ 15.50
G	325, 425, 330, 430, 340, 440, 360, 460	Round (Type 1, 2, 3, 3R, 4/4X, 12, 13 & IP65)	\$ 5.25
POLYCARBONATE ENCLOSURES			
M	325, 330, 340, 360, 425, 430, 440, 460	Round (Type 1, 2, 3, 3R, 4/4X, 12, 13 & IP65)	\$ 15.50
G	325, 330, 340, 360, 425, 430, 440, 460	Round (Type 1, 2, 3, 3R, 4/4X, 12, 13 & IP65)	\$ 5.25

V. OPERATING HANDLE COLOR

CODE	OPERATOR COLOR	BEZEL COLOR	FOR OPERATOR TYPE CODE
RY	Red	Yellow	L, M, G
BG	Black	Grey	L, M, G

VI. OPTIONS

CODE	FOR ENCLOSURE DIMENSION REFERENCE/SWITCH CODE (*)	DESCRIPTION	PRICE
(Blank)	All Switch Codes	No Option Needed	—
A11	1/316 2/325, 2/330 3/340, 3/440, 3/360, 3/460 4/All Switch Codes 5/All Switch Codes 6/No Applicable Switch Codes 7/425, 7/430, 7/440, 7/460	Auxiliary Contact Module 1NOEM and 1NC	\$ 11.00

*EXAMPLE: 2/330 represents enclosure dimension reference 2 and switch code 330.

DISCOUNT
SCHEDULE **C**



ABS PLASTIC



POLYCARBONATE



DIE CAST
ALUMINUM



CARBON STEEL



HANDLE
TYPE M



HANDLE
TYPE G



HANDLE
TYPE L

ENCLOSED IEC NON-FUSED DISCONNECT SWITCHES

Our Series EDS2 Enclosed IEC Non-Fused Disconnect Switches provide superior performance in the most severe industrial environments and are certified as Manual Motor Controllers Suitable as Motor Disconnects for motors up to 25HP at 480V (30kW at 400V).

Product features include:

- 10kA short circuit rating at 600V AC with Class J and Class CC fuses.
- Positive drive to open double break contacts ensure circuit isolation.



COMPACT SIZE WITH ROBUST DESIGN FEATURES FOR THE MOST DEMANDING DISCONNECTING APPLICATIONS.

1. A variety of compact, lift-off cover ABS Plastic, Polycarbonate, Carbon Steel, and Aluminum Die Cast enclosures with Type 1, 4X, 12, 13, IP65, and IP66 ratings for the most demanding applications - including wash-downs and corrosive environments.
2. Red/Yellow or Black/Grey Operating Handles that can be padlocked in the "OFF" position with up to three padlocks for extra safety and the security needed during maintenance activities.
3. The modular switch design allows three and four pole switches and auxiliary contacts to be specified for application flexibility.
4. Switches include IP20 terminals. A line-side terminal shield is provided as standard on the disconnect switches to guard against accidental contact with live parts.
5. ABS Plastic enclosed disconnect switches feature panel/base mount switches for ultimate ease of wiring.

SOME OF OUR POPULAR CONFIGURATIONS:

SERIES EDS2 ENCLOSED IEC NON-FUSED DISCONNECT SWITCHES

	RATINGS FOR SWITCHING AC MOTORS HP (60HZ)											
	1 PHASE		3 PHASE									
CURRENT RATING (A)	120V	240V	240V	480V	600V	NUMBER OF POLES	OPERATING HANDLE TYPE	OPERATING HANDLE COLOR	ENCLOSURE TYPE	DIMENSION REFERENCE	CAT. NO.	PRICE
16	1/2	1-1/2	3	7-1/2	10	3	Lever	Red/Yellow	ABS	1	EDS2-316-ABS-LRY	\$ 41.50
25	1-1/2	2	7-1/2	15	20	3	Round	Red/Yellow	ABS	2	EDS2-325-ABS-GRY	\$ 42.75
									CS	4	EDS2-325-CS-GRY	\$104.75
									DC	5	EDS2-325-DC-GRY	\$104.75
									PC	6	EDS2-325-PC-GRY	\$ 54.75
32	2	3	7-1/2	20	25	3	Round	Red/Yellow	ABS	2	EDS2-330-ABS-GRY	\$ 46.00
									CS	4	EDS2-330-CS-GRY	\$108.00
									DC	5	EDS2-330-DC-GRY	\$108.00
									PC	6	EDS2-330-PC-GRY	\$ 58.00
40	3	4	10	20	30	3	Round	Red/Yellow	ABS	3	EDS2-340-ABS-GRY	\$ 53.75
									CS	4	EDS2-340-CS-GRY	\$109.75
									DC	5	EDS2-340-DC-GRY	\$109.75
									PC	6	EDS2-340-PC-GRY	\$ 59.75
63	3	7-1/2	15	25	30	3	Round	Red/Yellow	ABS	3	EDS2-360-ABS-GRY	\$ 56.75
									CS	4	EDS2-360-CS-GRY	\$112.75
									DC	5	EDS2-360-DC-GRY	\$112.75
									PC	6	EDS2-360-PC-GRY	\$ 62.75

SPECIAL FEATURES



ENGINEERED TO ADD AUXILIARY CONTACTS, POWER POLES, AND NEUTRAL POLES EASILY!

A variety of modular accessories can be installed in the field on most disconnect switches. Installation is easy, modules can be installed on the left or right side of the disconnect switch. Terminal shields can be installed on the line and load side of the disconnect switch.

NEUTRAL POLE MODULES



Normally open early make (NOEM) configuration. IP20 terminals guard against accidental contact with live parts. See disconnect switch section, page 15 for neutral pole module part number and ordering information.

TERMINAL SHIELDS



Terminal shields can be installed on the line or load side of the disconnect switch to provide extra protection and guard against accidental contact with live parts. See disconnect switch section, page 15 for terminal shield part number and ordering information.

POWER POLE MODULES



Normally open (NO) configuration. IP20 terminals guard against accidental contact with live parts. Electrical ratings are equivalent to the associated switch rating (refer to specifications on page 16). See disconnect switch section, page 15 for power pole module part number and ordering information.

AUXILIARY CONTACT MODULES



1 normally open early make (NOEM) and 1 normally closed (NC) contact configuration. IP20 terminals guard against accidental contact with live parts. Auxiliary contacts can be installed on switches rated 16A to 125A, reducing inventory requirements. See disconnect switch section, page 15 for auxiliary contact module part number and ordering information.

Ratings: AC-15: 6A at $\leq 240V$ AC
4A at 240V AC to 480V AC
Continuous Thermal Current: 15A

DISCOUNT
SCHEDULE

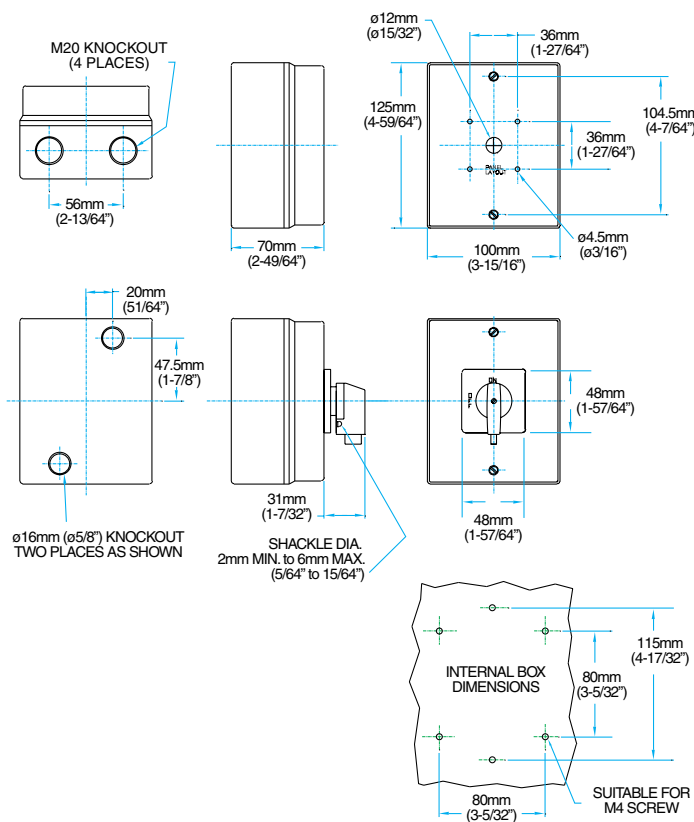
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SPECIFICATIONS:

SERIES EDS2 ENCLOSED IEC NON-FUSED DISCONNECT SWITCH SPECIFICATIONS						
		SWITCH CURRENT RATING CODE				
		16	25	30	40	60
ELECTRICAL UL/CSA APPLICATIONS						
	UNITS	For detailed specifications by switch rating code, see page 16				
Rated Operating Voltage, Ue	VAC	600				
Short Circuit Current Ratings @ 600V AC With Class J and CC Fuses	kA	10				
Maximum Fuse Size	A	20	45	45	70	70
ELECTRICAL IEC APPLICATIONS						
		For detailed specifications by switch rating code, see page 16				
Rated Insulation Voltage, Ui	VAC	750				
Rated Impulse Voltage, Uimp	kV	6				
Rated Operating Voltage, Ue	VAC	690				
Short Circuit Current Ratings @ 600V AC With Type gL Fuses	kA	5	30			
Maximum Fuse Size	A	16	25	32	40	63
MECHANICAL						
Operating Torque (Door Mount)	Lb.-in.	—	7.0			
CS, DS, and PC Enclosures with operating handle Types M and G.	Nm	—	0.8			
Operating Torque (Panel Mount)	Lb.-in.	4.0	9.0			
ABS Enclosures with operating handle Types L, M, and G.	Nm	0.45	1.0			
ENVIRONMENTAL						
Ambient Operating Temperature	°C/°F	-25 to 55 (-13 to 131)				
Altitude	m/ft.	2,000/6,528				
Ingress Protection						
Switch Body	IP	20				
Operating Handle	—					
Code L		IP55	—			
Code G		—	Type 1, 2, 3, 3R, 4, 4X, 12, 13, and IP65			
Code M		—	Type 1, 2, 3, 3R, 4, 4X, 12, 13, and IP65			
Enclosure	—					
Code ABS		IP65				
Code CS		—	Type 12, 13, and IP65			
Code DC		—	IP66			
Code PC		—	Type 4X and IP65			
CONSTRUCTION						
		For detailed specifications by switch rating code, see page 16				
RoHS Compliance		For RoHS compliance documentation by product, refer to www.c3controls.com				

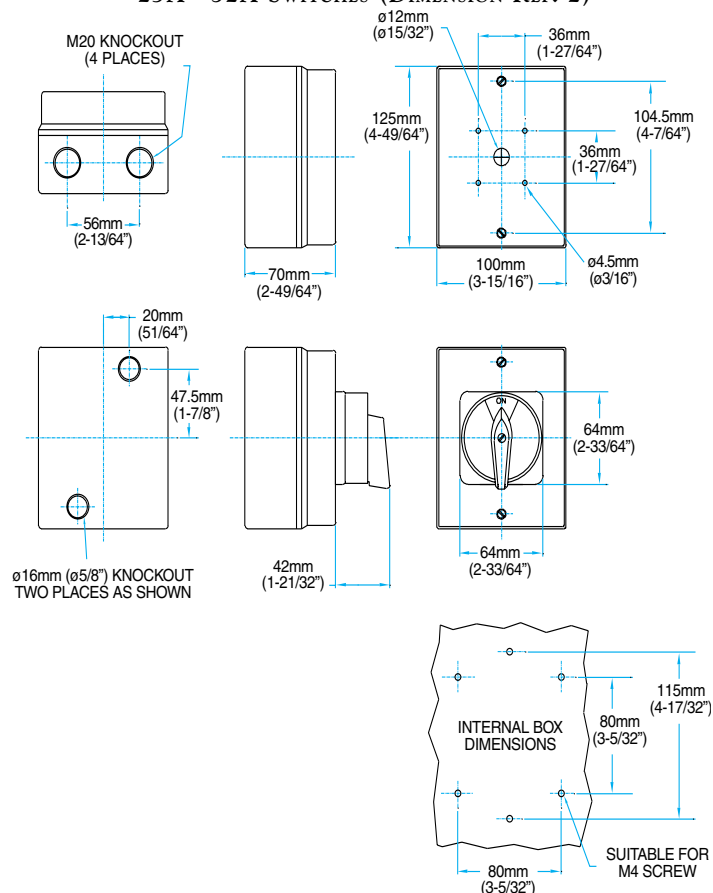
ABS PLASTIC ENCLOSED PANEL MOUNTED DISCONNECT SWITCH WITH "L" OPERATING HANDLE

16A SWITCHES (DIMENSION REF. 1)



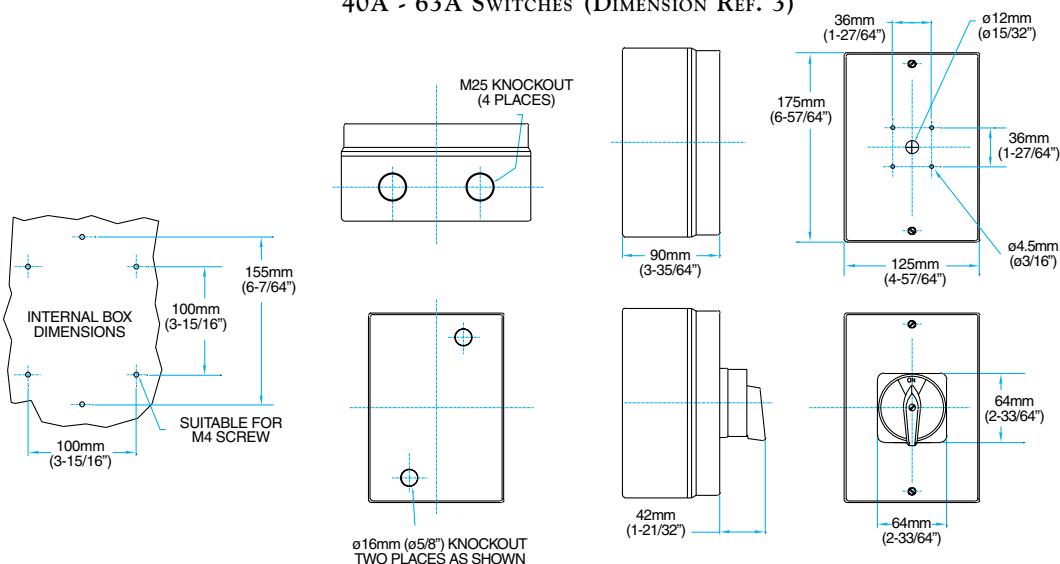
ABS PLASTIC ENCLOSED PANEL MOUNTED DISCONNECT SWITCH WITH "G" OPERATING HANDLE

25A - 32A SWITCHES (DIMENSION REF. 2)



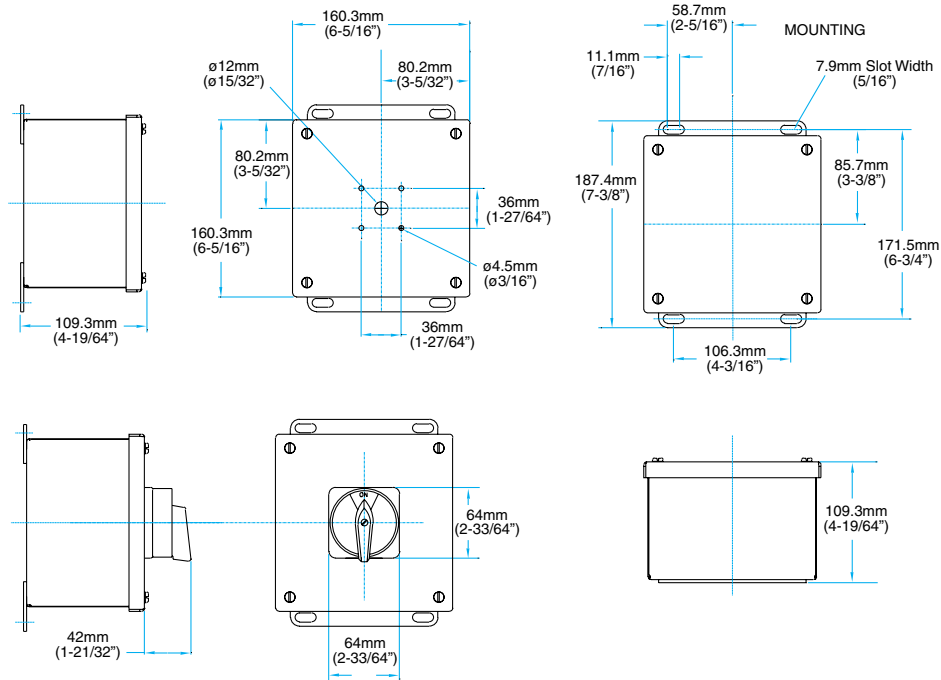
ABS PLASTIC ENCLOSED PANEL MOUNTED DISCONNECT SWITCH WITH "G" OPERATING HANDLE

40A - 63A SWITCHES (DIMENSION REF. 3)



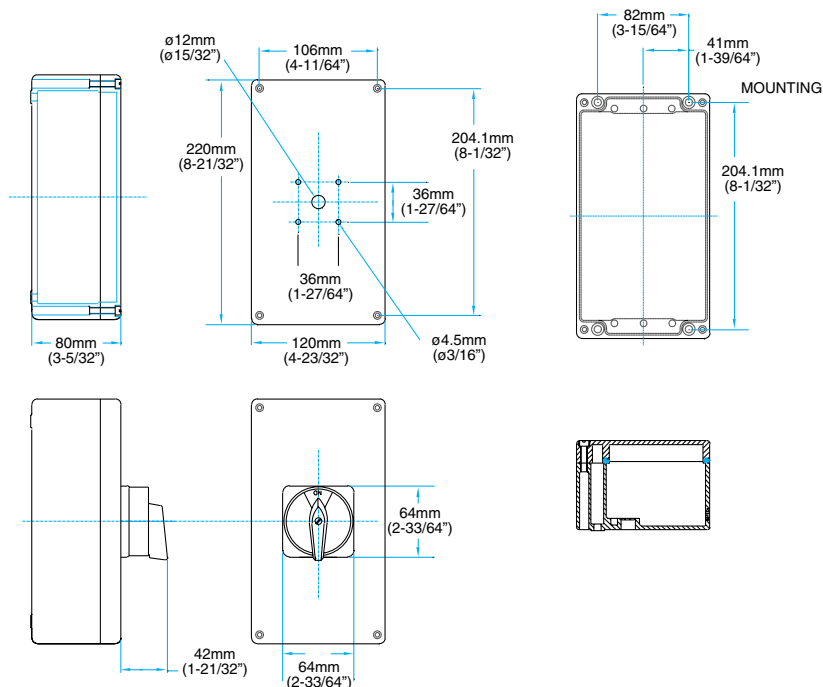
**CARBON STEEL ENCLOSED DOOR/FRONT MOUNTED DISCONNECT SWITCH
WITH "G" OR "M" OPERATING HANDLE**

25A - 63A SWITCHES (DIMENSION REF. 4)



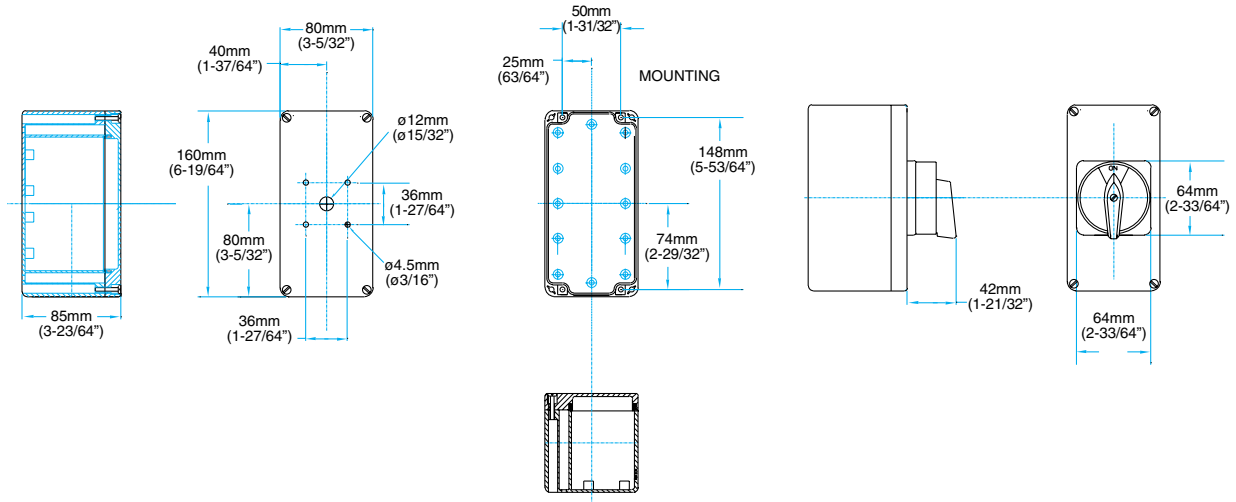
**DIE CAST ALUMINUM ENCLOSED DOOR/FRONT MOUNTED DISCONNECT SWITCH
WITH "G" OR "M" OPERATING HANDLE**

25A - 63A SWITCHES (DIMENSION REF. 5)



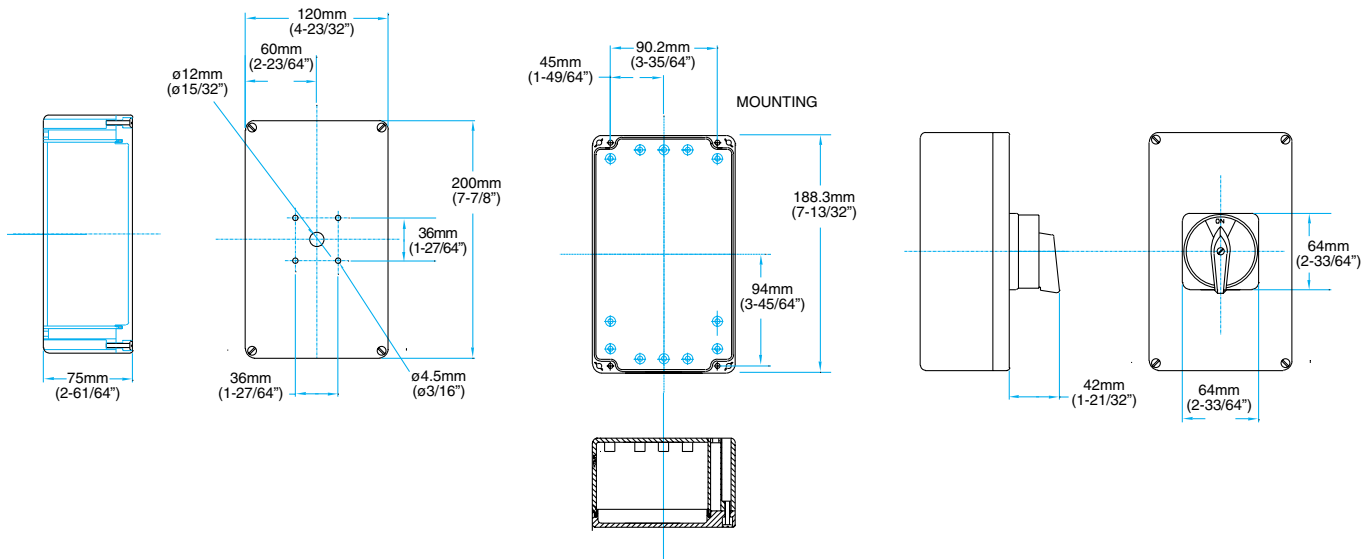
**POLYCARBONATE ENCLOSED DOOR/FRONT MOUNTED DISCONNECT SWITCH
WITH "G" OR "M" OPERATING HANDLE**

25A - 63A SWITCHES (DIMENSION REF. 6)



**POLYCARBONATE ENCLOSED DOOR/FRONT MOUNTED DISCONNECT SWITCH
WITH "G" OR "M" OPERATING HANDLE**

25A - 63A SWITCHES (DIMENSION REF. 7)



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