I always recommend Kele; customer service is great!



Panel Fabrication **Fuse Holders**

M4/6SNBT, M4/8SF, M10/16SFL — ABB DIN Rail Switch and Fuse Holders 698

Fuses and Circuit Breakers



Pilot Lights and Selector Switches



Push Button Switches

ABW, AOW Series — IDEC Pushbutton Switches
--

Labels and Accessories

Labels — Engraved Phenolic Labels	.724
PDK, PRK — Panel Receptacle and Disconnect Switch Assemblies	.715
SPA — Plate-Mounted Potentiometer	.724

Terminal Blocks

6G38 — 3/8" Sectional Terminal Blocks	701
100 Series — Double Row Terminal Blocks	703
BK 1/1 — Panel Mount Terminal Blocks	702

M4/6, M6/8 — ABB DIN Rail Terminal Blocks (Standard Gray).......697 SAK4, SAK6 — Weidmüller DIN Rail Terminal Blocks (Standard Beige) 699

Wire Duct

7111 0 Date:	
ABB Series — ABB Wiring Duct	' 13
DN Series — Dinosaur Duct - Flexible Wire Duct	' 14
P Series — Wiring Aids	⁷ 14

T1E — Iboco Small Finger Wiring Duct......712



VD Series pg. 710



PDK/PRK Series pg. 715



CDU4N-G Series pg. 700



ABB DIN RAIL TERMINAL BLOCKS (STANDARD GRAY) M4/6, M6/8



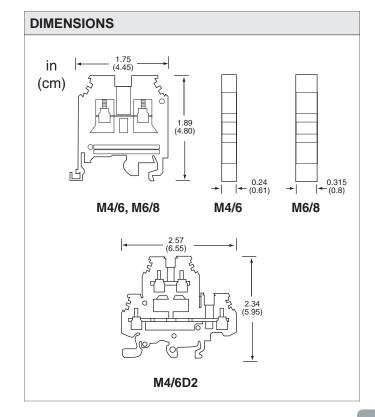
DESCRIPTION

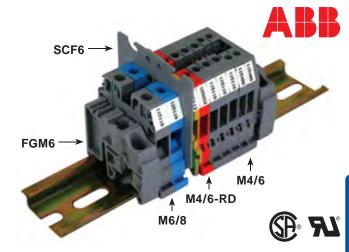
Model M4/6 and **M6/8** DIN rail terminal blocks offer a modular design for flexibility in layout and reduced installation time. Unique marker holders provide optional top- or side-mount marking capability. The **Model M4/6** offers maximum circuit density while the **Model M6/8** offers the convenience of larger screws for conventional screwdriver installation.

FEATURES

- · Wire secured by ribbed compression clamp
- Universal DIN rail mounting
- · Reduced installation time
- · Block removable without displacing adjacent blocks
- · Various marking options

SPECIFICATIONS	
Rated Voltage	600 VAC/VDC
Rated Current Rated Wire Size	30A UL, 25A CSA
M4/6	22-10 AWG
M6/8	22-8 AWG
Approvals	UL-recognized component, File #E60645, #E72667; CSA certified
Warranty	1 year





MODEL	DESCRIPTION	
SINGLE 6 mm TEF		
M4/6	DIN rail terminal block, gray	
M4/6-BK	DIN rail terminal block, black	
M4/6-BL	DIN rail terminal block, blue	
M4/6-GR	DIN rail terminal block, green	
M4/6-RD	DIN rail terminal block, red	
M4/6-OR	DIN rail terminal block, orange	
M4/6-YW	DIN rail terminal block, yellow	
M4/6P	Grounding block, green and yellow	
SINGLE 8 mm TEF	RMINAL BLOCKS (use M4/6 accessories)	
M6/8	8 mm DIN rail terminal block, gray	
M6/8P	8 mm grounding block, green and yellow	
ACCESSORIES		
DIN-3F	35 mm steel DIN mounting rail, 39.4"L(1m)	
BAM-1000	35 mm aluminum DIN mounting rail, 39.4"L(1m)	
BAM2	End stop (two required), gray	
FEM6	End section (one required), gray	
SCF6	Circuit separator, gray	
BJS6	Jumper bar for M4/6, 20 poles per bar	
BJS6-2	Jumper bar for M4/6, two poles per bar	
BJS6-3	Jumper bar for M4/6, three poles per bar	
BJS6-4	Jumper bar for M4/6, four poles per bar	
BJS6-5	Jumper bar for M4/6, five poles per bar	
BJS6-10	Jumper bar for M4/6, 10 poles per bar	
BJS8	Jumper bar for M6/8, 20 poles per bar	
EV6	Jumper bar hardware (screw and post, package 20)	
DOUBLE STACK 6	mm TERMINAL BLOCKS	
M4/6D2	Double stack terminal block, gray	
FEM6D	Double stack end section, gray	
BAMH	Double stack end stop, gray	
SCF6D	Double stack circuit separator, gray	
BEIGE SINGLE 6 r	nm TERMINAL BLOCKS	
M4/6-BG	DIN rail terminal block, beige	
FEM6-BG	End section, beige	
BAM2-BG	End stop, beige	
SCF6-BG	Circuit separator, beige	
MARKERS		
RC610B	Blank strips (100 blanks)	
RC610/1-10	10 strips of 1-10	
RC610/1-50	Two strips of 1-50	
RC610/1-100	One strip of 1-100	
RC610/X01-X00	One strip of 100 numbers (fill in range, i.e., 201-300)	
RC610-G	Ground marker strip (100)	
RC610-L	Line marker strip (100)	
RC610-N	Neutral marker strip (100)	
RC610-CUSTOM	Custom markers printed at Kele; 3 max horizontal,	
	7 max vertical	
RTM7	Top mount, blank, 19.7" (50 cm)	



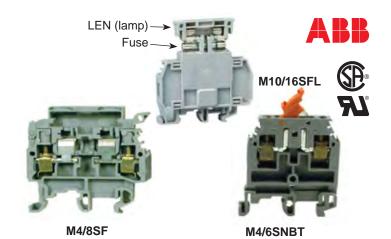
ABB DIN RAIL SWITCH & FUSE HOLDERS M4/6SNBT, M4/8SF, M10/16SFL

DESCRIPTION

Model M4/8SF, M4/8SFL, and M10/16SFL fuse holders provide a safe method for protecting or isolating a circuit. Once installed, the fuse is enclosed and prohibits the installer from coming in contact with a live circuit. The fuse can be disengaged by pulling up on the fuseholder. Optional blown fuse indicators are available. Model M4/6SNT is a non-fusible disconnect switch that provides a safe method for isolating a circuit.

FEATURES

- · Wire secured by ribbed compression clamp
- Universal DIN rail mounting
- · Unique disconnect design



SPECIFICATIONS

Rated Voltage 600 VAC/VDC **Rated Current** 10A UL (6.3A IEC)

Rated Wire Size

M4/6: 22-10 AWG M4/8: 22-12 AWG M10/16: 24-8 AWG

Fuse Size

M10/16SFL:

GF Series 0.25" x 1.25" (0.63 x 3.17 cm)

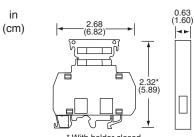
M4/8:

K235 Series Approvals

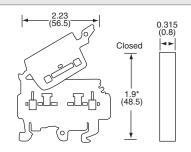
0.197" x 0.787" (0.5 x 2.0 cm) UL-recognized component, File #E60645, #E72667; CSA certified

Warranty 1 year

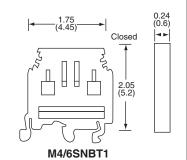
DIMENSIONS



* With holder closed M10/16SFL



M4/8SF, SFL



ORDERING INFORMATION

MODEL DESCRIPTION

SWITCH M4/6SNBT1

FEM62

M4/8 FUSEHOLDER M4/8SF

M4/8SFL 8 mm fuseholder with neon lamp (K235 fuse not included)

End section for M4/6SNBT

FEM8S 8 mm fuseholder end section

K235-amp)

M10/16SFL FUSEHOLDER

M10/16SFL I FN GF-(amp)

8 mm fuseholder (K235 fuse not included)

Fast acting fuses for 8 mm fuse holder (10A fuse maximum)

6 mm blade switch block (with test sockets). gray/orange handle

16 mm fuseholder (GF fuse not included) Fuse indicator lamp (110-220 VAC only)

Fast acting fuse

RELATED PRODUCTS

M4/6 DIN rail terminal block 6 mm

BAM2 End stop

DIN-3F 35 mm DIN rail, steel, 39.4" (1m), RoHS compliant **BAM-1000** 35 mm aluminum DIN mounting rail 39.4" (1m)

001-901-382-6084 International | 888-397-5353 USA | **kele.com**

WEIDMÜLLER DIN RAIL TERMINAL BLOCKS (STANDARD BEIGE) SAK4, SAK6

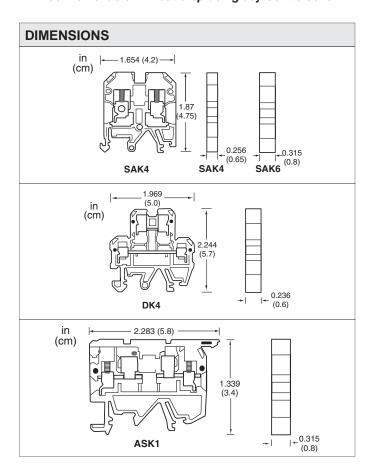


DESCRIPTION

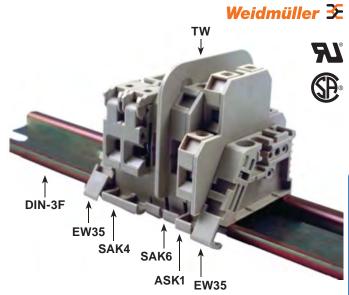
Model SAK4 and SAK6 DIN rail terminal blocks offer a modular design for flexibility in layout and reduced installation time. The standard color is beige for the terminal blocks and accessories, but other color terminal blocks are avaiable. The Model SAK4 offers maximum circuit density while the Model SAK6 offers the convenience of larger screws for conventional screwdriver installation. Double-stacks and fuseholders are available. The markers are side mount in horizontal printing.

FEATURES

- · Wire secured by ribbed compression clamp
- · Universal DIN rail mounting
- · Reduced installation time
- · Block removable without displacing adjacent blocks



SPECIFICATIONS		
Rated Voltage	600 VAC/VDC	
Rated Current	30A UL, 36A CSA	
Rated Wire Size		
SAK4	22-10 AWG	
SAK6	22-8 AWG	
Approvals	UL-recognized component,	
	File #E60693: CSA certified	



MODEL	DESCRIPTION	STDRD
SINGLE BEIGE 6 mm TERMINAL BLOCK		
SAK4	6 mm DIN rail terminal block, beige	100
EK4	6 mm grounding block, green and yellow	100
AP-SAK	End section, beige (one required)	
EW35	End stop, beige (two required)	50
TW	Circuit separator, beige	20
FUSEHOLDERS		
ASK1	Fuseholder beige (K235 style fuse not included)	100
ASK1-LD	Fuseholder beige with 120 VAC/VDC indicator	25
	(K235 style fuse not included)	25
AP-ASK1	Fuseholder end section, beige (one required)	20
SINGLE BEIGE 8	mm TERMINAL BLOCK	
SAK6	8 mm DIN rail terminal block, beige	100
EK6	8 mm grounding block, green and yellow	100
AP-SAK	End section, beige (one required)	100
EW35	End stop, beige (two required)	50
TW	Circuit separator, beige	20
	BEIGE 6 mm TERMINAL BLOCK	
DK4	6 mm double stack terminal block, beige	100
AP-DK	End section, beige (one required)	20
EW35	End stop, beige (two required)	50
TW	Circuit separator, beige	20
SINGLE 6 mm TE	ERMINAL BLOCK IN COLORS	
SAK4-BL	6 mm DIN rail terminal block, blue	100
SAK4-RD	6 mm DIN rail terminal block, red	100
SAK4-YW	· · · · · · · · · · · · · · · · · · ·	
SAK4-OR		
SAK4-GR	6 mm DIN rail terminal block, green	100
SAK4-GY	6 mm DIN rail terminal block, gray	100
SAK4-BK	6 mm DIN rail terminal block, black	100
SAK4-BR	6 mm DIN rail terminal block, brown	100
ACCESSORIE		
DIN-3F	35 mm steel DIN mounting rail, 39.4" (1m)	40
BAM-1000	35 mm aluminum DIN mounting rail, 39.4" (1m)	40
Q10-6	6 mm 10 pole jumper bar with screws and spacers 20	
Q10-8	8 mm 10 pole jumper bar with screws and spacers 20	
DEKH-1/50	Horizontal numbers (one strip of 1-50)	10
DEKH-x/xx	Horizontal numbers (one strip of 50 numbers,	
	fill in range, i.e. 51-100)	
DEKH-LNG	Horizontal markers labeled L1, L2, L3, N, G	10
DEK-B	Blank markers	10
K235	Fuses	5



VALUE LINE DIN RAIL TERMINAL BLOCKS CDU4N-G SERIES

DESCRIPTION

Model CDU4N-G DIN rail terminal block offers a modular design for flexibility in layout and reduced installation time. The narrow width of the terminal block offers maximum circuit density. These models offer a favorable cost solution for basic installations.

FEATURES

- Wire secured by ribbed compression clamp
- Universal DIN rail mounting
- · Reduced installation time
- Block removable without displacing adjacent blocks

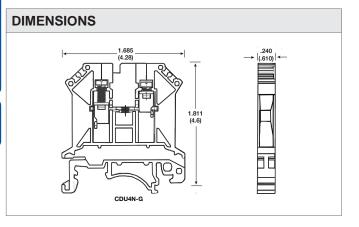
SPECIFICATIONS

Rated Voltage 600 VAC/VDC **Rated Current** 30A UL Wire Size 22-10 AWG

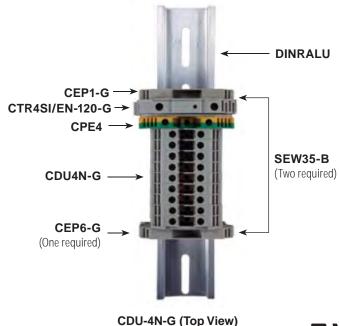
Approvals UL recognized component,

File #E167040

Warranty 1 year







ORDERING INFORMATION

MODEL DESCRIPTION CDU4N-G DIN rail terminal block, gray CEP6-G End section (1 required), gray SEW35-G End stop (2 required), gray CPE4 Grounding block, green and yellow CTR4SI/EN-120-G

Fuse holder w/indicator, gray (K235 style fuse not included)

CEP1-G Fuse holder end section, gray

W6 Blank markers

RELATED PRODUCTS

BAM-1000 35 mm aluminum DIN mounting rail 39.4" (1m) DIN-3F 35 mm DIN rail, steel, 39.4" (1m), RoHS compliant

DINRALU DIN rail, aluminum DINRSTL DIN rail, steel **K235 Series** Fast-acting fuse

NEW!

3/8" SECTIONAL TERMINAL BLOCKS



DESCRIPTION

Model 6G38 sectional terminal blocks are individually molded blocks that can be assembled to produce a terminal strip for the required number of circuits. The larger size of these 3/8" blocks makes wiring terminations easier for both small and large wire gauges. The **Model 6G38-TSKK-C** is channel mounted and can be used in conjunction with the Model 6W30 sectional fuse holder.

FEATURES

- · Sectional design for layout flexibility
- Channel mounting
- 32 circuits per foot
- Kant Kut wiring connectors
- · Touch-proof design





SPECIFICATIONS

Rated Voltage 600V
Rated Current 30A
Rated Wire Size 22-10 AWG
Connections Tin-plated copper

Materials Of Construction Gray glass-filled polycarbonate,

257°F (125°C)

Circuits Per Foot 32

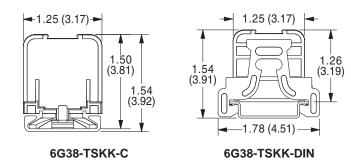
Approvals UL-recognized component,

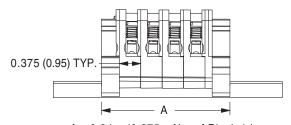
File #E62806, CSA certified,

File #LR19766

Warranty 1 year

DIMENSIONS





A = 0.84 + (0.375 x No. of Blocks) in= (2.13) + (0.95 x No of Blocks)cm

ORDERING INFORMATION

MODEL DESCRIPTION
Channel Mount
6G38-TSKK-C 3/8" sectional termin

6G38-TSKK-C 3/8" sectional terminal block, MPC channel mount End section, MPC channel mount (one required)

MC Mounting clamps (2 required)

MPC-3 Pre-punched aluminum mounting channel, 3' (0.91m)
MPC-6 Pre-punched aluminum mounting channel, 6' (1.83m)

DIN Rail Mount
6G38-TSKK-DIN
6G38-E-DIN
MSK

3/8" sectional terminal block, DIN rail mount
End section, DIN rail mount (one required)
End bracket (two required) for DIN terminal blocks

DINRSTL DIN rail, steel

DIN-3F 35 mm DIN rail, steel, 39.4" (1m), RoHS compliant

DINRALU DIN rail, aluminum

BAM-1000 35 mm aluminum DIN mounting rail 39.4" (1m) **Accessories**

J-38 Individual jumpers for 3/8" (0.95 cm) blocks

NEW!



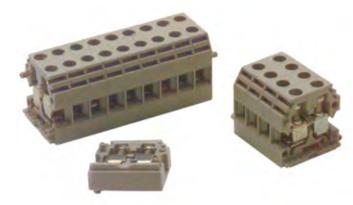
PANEL MOUNT TERMINAL BLOCKS BKA/1

DESCRIPTION

Model BKA/1 panel-mount terminal blocks are compact and modular. They are used for applications where space saving, direct mount, multiple terminal assemblies are required. These modular blocks can be used to replace barrier strips.

Because of the compact size, these terminals are appropriate for use in small enclosures, equipment housings, or confined locations where space is a constraint.

Model BKA/1 terminal blocks are individual, single-pole components that snap-together to any required number of poles. This design also permits modules to be added or subtracted to meet changing electrical requirements. Mounting sections snap on to the ends of the terminal assembly or between terminal blocks to provide additional mounting points where required.





FEATURES

- Extremely compact
- · Cost effective
- 50 terminations per foot
- Screw-cage clamp
- Modular design
- Surface mount

SPECIFICATIONS

Rated Voltage 300V **Rated Current** 20A **Rated Wire Size** 22-12 AWG **Materials Of Construction** Polyamide 6.6

Circuits Per Foot

Approvals UL-recognized component,

File #E95701: CSA certified.

File #LPR42110

Warranty 1 year

DIMENSIONS in 0.87 0.24 (0.60)(cm) 0.87 (2.2)**BKA/1 Terminal** →|(0.62)_| 0.87 (2.21)(0.34)(2.21)**EH2 Mounting Section**

ORDERING INFORMATION

MODEL DESCRIPTION

BKA/1 Single terminal block module, 0.236" (0.60 cm) EH2 Mounting section (2 required, min)

ACCESSORIES

AQU75S 75-pole jumper strip

SB6/10 Blank marker strip for 10 blocks

DOUBLE ROW TERMINAL BLOCKS 100 SERIES



DESCRIPTION

100 Series double row terminal blocks are designed for low voltage/amperage wire terminations. These double-row terminal blocks provide an insulation barrier between circuits to prevent short circuits in factory or field wiring applications.



FEATURES

- · Closed-back design
- · Insulation barrier between poles
- Multiple pole arrangements
- Easy to install
- · Surface mounted

SPECIFICATIONS

Rated Voltage 250V Rated Current 15A Rated Wire Size 22-14 AWG

Materials Of Construction

Thermoplastic base, plated steek terminals with Sems pressure

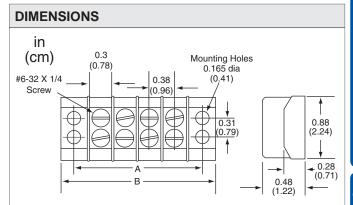
saddle screws 3/8" centers

Spacing 3/8" centers
Approvals UL-recognized component,

File #E167040; CSA certified, File

#LR19766

Warranty 1 year



NO. OF	DIMENSIONS in (cm)	
POLES	Α	В
5	2.25 (5.72)	2.53 (6.43)
10	4.12 (10.46)	4.41 (11.20)
15	6.00 (15.24)	6.28 (15.95)
20 7.88 (20.02)		8.16 (20.73)
25 9.75 (24.77)		10.03 (25.48)
30	11.62 (29.51)	11.91 (30.25)

MODEL DESCRIPTION 105SP Double row terminal blocks, five poles 110SP Double row terminal blocks, 10 poles 115SP Double row terminal blocks, 15 poles 120SP Double row terminal blocks, 20 poles 125SP Double row terminal blocks, 25 poles 130SP Double row terminal blocks, 30 poles

RELATED PRODUCTS

JSPS 10-pole jumper strip

kele.com



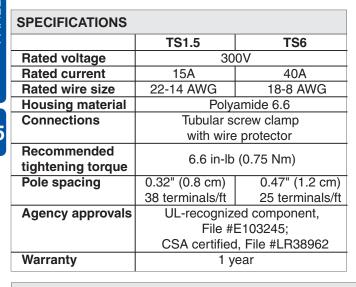
DOUBLE ROW TERMINAL STRIPS TS SERIES

DESCRIPTION

TS Series double row tubular screw terminal strips are a cost-effective alternative to barrier strips or other types of terminal blocks. They're easy to use; simply strip the wire and insert and tighten the terminal screw. The tubular screw terminal strips feature a dead front design that prevents shocks and shorts. The polyamide nylon strips can be readily field-cut to the desired number of poles using only a utility or pocket knife.

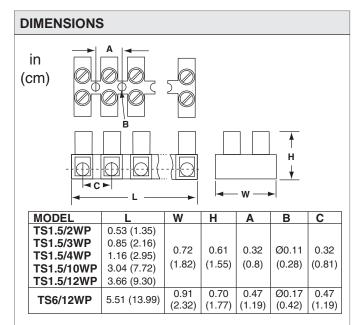
FEATURES

- Tubular screw clamp connection with wire protector
- Opaque white polyamide 6.6 housing
- · Panel mounting or free floating
- · Recessed metal parts for finger protection
- · Easily cut to the required number of poles
- · Surface mounted









ORDERING INFORMATION		
MODEL	DESCRIPTION	
TS1.5/2WP	Double row terminal strip, two poles	
TS1.5/3WP	Double row terminal strip, three poles	
TS1.5/4WP	Double row terminal strip, four poles	
TS1.5/10WP	Double row terminal strip, 10 poles	
TS1.5/12WP	Double row terminal strip, 12 poles	
TS6/12WP	Heavy-duty double row terminal strip, 12 poles	

ACCESSORIES MPB6 Marking plate, blank (for use with TS6/12WP)

001-901-382-6084 International | 888-397-5353 USA | **kele.com**

CLASS CC ENCLOSED FUSE HOLDERS 6SC30 SERIES



DESCRIPTION

6SC30 Series fuse holders can be used for various applications including control panels, lighting, heating and air conditioning, refrigeration equipment, transformer protection, and power monitoring. The 6SC30 series feature the convenience of DIN rail mounting and blown fuse protection.

FEATURES

- Tested and approved for 200,000 RMS symmetrical amps withstand rating and short circuit current ratings (SCCR)
- DIN rail mount
- Touchsafe design IEC type IP20
- · Handle for quick, easy fuse change
- · Blown fuse indication
- · AC and DC rated











SPECIFICATIONS

Voltage Rating 600 VAC/VDC **Current Rating** 30 Amps Wire Size 18-6 AWG

Indicator Light 65 VAC minimum, 90 VDC minimum **Materials Of Construction**

Thermoplastic

13/32" diameter by 1 1/2" long **Fuse Size**

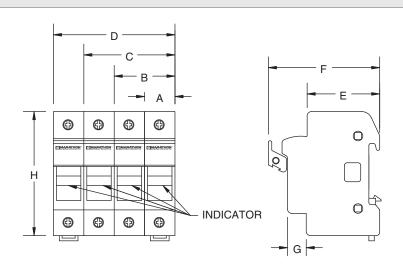
Mounting

Approvals UL listed file number IZLT.E35113

Warranty 1 year

DIMENSIONS

Dim.	Inches (cm)
Α	0.70 (1.78)
В	1.40 (3.56)
С	2.10 (5.33)
D	2.80 (7.11)
E	1.70 (4.32)
F	2.35 (5.97)
G	0.48 (1.22)
Н	3.12 (7.92)



ORDERING INFORMATION

MODEL	DESCRIPTION
6SC30A1I-C	Fuse holder, one pole, with blown fuse indication
6SC30A2I-C	Fuse holder, two poles, with blown fuse indication
6SC30A3I-C	Fuse holder, three poles, with blown fuse indication
6SC30A4I-C	Fuse holder, four poles, with blown fuse indication

FLM/FLQ

RELATED PRODUCTS 250/500 V fuses

kele.com

888-397-5353 USA 001-901-382-6084 International



CLASS M BASE-MOUNT FUSE HOLDER 6M30 SERIES

DESCRIPTION

6M30 series class M base-mount fuse holders can be used for various applications, including control panels, lighting, heating, air conditioning, refrigeration equipment, and transformer protection.





SPECIFICATIONS

Rated Voltage 600V **Rated Current** 30A

Connections Quick connects and sems pressure

plate

Wire Size 10-18 AWG

Materials Of Construction

High impact thermoplastic, 257°F

(125°C)

Clip Material Copper alloy, tin plated **Fuse Size** 0.41" dia (1.03 cm), 1.5"L

© 2012 Kele, Inc. All rights reserved. The Kele name and logo are registered trademarks of Kele, Inc.

(3.81 cm) (FLM/FLQ Series) UL 94V-0

Flammability Rating **Approvals**

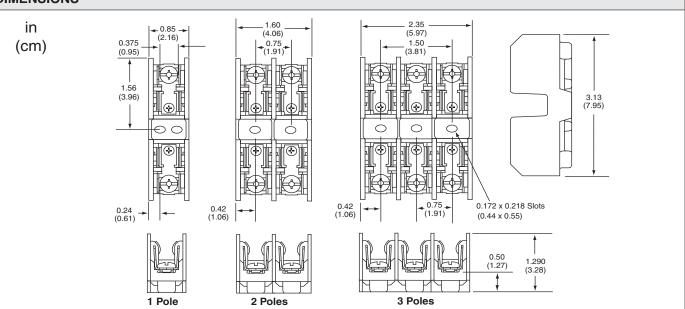
UL-recognized component,

File #E35113; CSA certified,

File #LR21455

Warranty 1 year

DIMENSIONS



ORDERING INFORMATION

MODEL DESCRIPTION 6M30A1SPQ Fuse holder, one pole 6M30A2SPQ Fuse holder, two poles 6M30A3SPQ Fuse holder, three poles

RELATED PRODUCTS

CCM630 Fuse holder cover FLM/FLQ 250/500 V fuses

KLK-PAK Fuse package includes fues holder, three poles, the KLK-3 fuses

SECTIONAL FUSE HOLDERS

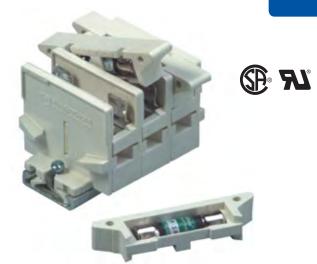


DESCRIPTION

The **Model 6W30** sectional fuse holders are used with Model 6H38 Marathon sectional terminal blocks and may be mounted on the same mounting channel. Each row of fuse holders requires an end section. If the fuse holders are to be mounted alone, two mounting clamps are required in addition to the end section and mounting channel.

FEATURES

- · Sectional design for layout flexibility
- Channel mounting
- Built-in fuse puller
- · Compatible with 6H38 sectional terminal blocks



SPECIFICATIONS

 Rated Voltage
 600V

 Rated Current
 30A

 Wire Size
 22-10 AWG

Materials Of Construction

White nylon, 221°F (105°C)
Clip Material Copper alloy, tin plated

Fuse Size 0.41" dia x 1.5"L (1.03 x 3.81 cm)

(FLM/FLQ Series)

Flammability Rating 94V-0

Approvals

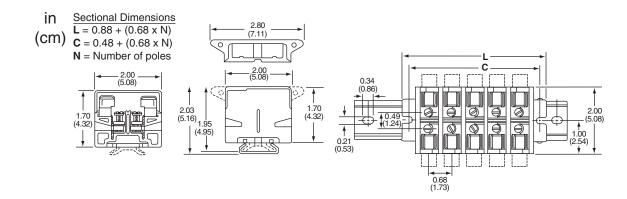
UL-recognized component, File

#E35113; CSA certified, File

#LR21455

Warranty 1 year

DIMENSIONS



ORDERING INFORMATION

MODEL DESCRIPTION

Swapped for the bolds

Continued for the bolds

Cont

6W30A1-C Sectional fuse holder, channel mount **6WE-C** Fuse holder end section, channel mount MC Mounting clamps (2 required)

MPC-3 Pre-punched aluminum mounting channel, 3' (0.91m)
MPC-6 Pre-punched aluminum mounting channel, 6' (1.83m)

RELATED PRODUCTS

FLM/FLQ 250/500 V fuses

kele.com

888-397-5353 USA | 001-901-382-6084 International



FUSES

FLM, FLQ, GF, K235, 251 SERIES, HRK, HKP-HH

DESCRIPTION

FLM and FLQ series midget fuses are slow-acting fuses used with 6SC30 Series, 6M30 Series, 6W30 Series, and FB2X Series fuse holders. The KLK-3 series fuses are fast-acting fuses.

SPECIFICATIONS/	ORDEF	RING INFOR	MATION
AMP RATING	250V	MODEL	500V MODEL
0.5	FLM-	0.5	FLQ-0.5
0.8	FLM-	0.8	FLQ-0.8
1.0	FLM-	1	FLQ-1
1.25	FLM-	1.25	FLQ-1.25
1.5	FLM-	1.5	FLQ-1.5
2.0	FLM-	2	FLQ-2
2.5	FLM-	2.5	FLQ-2.5
3.0	FLM-	3	FLQ-3
4.0	FLM-	4	FLQ-4
5.0	FLM-	5	FLQ-5
7.0	FLM-	7	FLQ-7
10.0	FLM-	10	FLQ-10
15.0	FLM-	15 (125 VAC)	FLQ-15
20.0	FLM-	20 (32 VAC)	FLQ-20
30.0	FLM-	30 (32 VAC)	FLQ-30
AMP RATING		600V N	IODEL
3.0A		KLK	(-3

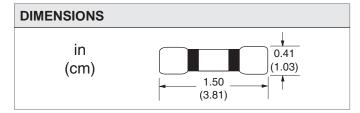


FLM/FLQ/KLK Series



APPLICATION

- FLM/FLQ Series Inductive loads, power supplies, control transformers, control circuits with high inrush currents
- . KLK-3 Watt meters, watt transducers, and control circuits without high inrush currents



DESCRIPTION

GF and K235 series glass fuses are available in slow-blow and fast-acting models.

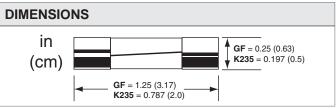
FEATURES

- · GF Series for use with M10/16SFL fuse holder, and HRK
- K235 Series for use with M4/8 and HRK

SPECIFICATIONS / ORDERING INFORMATION (Order QTY 1 = standard package of 5) Ex. 5 GF-5 = 25 fuses

AMP RATING	VOLTAGE	FAST-ACTING FUSE	SLOW-BLOW FUSE	FAST-ACTING		
0.5	250	GF-0.5	GF-0.5S	K235-0.5		
1	250	GF-1	GF-1S	K235-1		
1.5	250	GF-1.5	GF-1.5S	K235-1.5		
2	250	GF-2	GF-2S	K235-2		
2.5	250	GF-2.5	GF-2.5S	K235-2.5		
3	250	GF-3	GF-3S	K235-3		
5	250	GF-5	GF-5S	K235-5 (125V)		
7	250	GF-7	GF-7S	K235-7 (125V)		
10	250	GF-10	GF-10S*	K235-10 (125V)		
15	250	GF-15*	GF-15S*			
HRK HKP-HH		Inline fuseholder, 32V, 15A, for 1/4" fuses 7/8"-1-1/4" Panel mount fuseholder, 250V, 15A, for 1/4" x 1-1/4" fuses				
* Ceramic tube fuse						





DESCRIPTION

251 Series fast-acting circuit board type fuses are sold in packs of 5 and range from 0.125 A to 2.0 A ratings.

SPECIFICATIONS / ORDERING INFORMATION (Sold in packs of 10) (Order QTY 1 = PACKAGE of 10)

(Sold in packs of 10) (Order QTTT = FACKAGE OF 10)					
AMP RATING	125V MODEL				
1/8	#251.125				
1/2	#251.500				
1	#251001				
2	#251002				



APPLICATION

· Printed circuit board fuses

DIMENSIC	ons
in (cm)	1.47 0.28 1.47 (3.74) (0.70) (3.74) 0.095 (0.238) dia





DESCRIPTION

QL Series circuit breakers provide excellent protection against overloads and short circuits for electrical circuits and small-sized electrical equipment.

FEATURES

- · Holds 100% rated current independent of ambient temperature
- · Resets immediately after tripping
- Mounts to DIN rail

SPEC	CAT		IC
SPEG	ICAL	IUI	c_{ν}

Rated Voltage 120/240 VAC, 50/60 Hz

Rated Current 1A, 10A, 15A, 20A, 25A, 3A, 4A,

8A

Rated Interruption Capacity

10,000A

Protection Method Hydraulic magnetic technology

Poles Single pole

Time Delay 150% rated current, 8-90 sec;

200% rated cyrrent 4-28 sec

Operating Temperature -40° to 140°F (-40° to 60°C),

-40° to 140°F (-40° to 60°C)

Dimensions 3.8"H x x 0.51"W x 2.7"D

(9.7 x 1.3 x 6.8 cm)

UL 489 listed, File #E192487, CSA, **Approvals**

CE, VDE

Warranty 1 year











	:DINIC	INFOR	млт	ION
ONDE	DINIA	INCOL		IO I

MODEL	DESCRIPTION
QL-1	1A Circuit breaker
QL-3	3A Circuit breaker
QL-4	4A Circuit breaker
QL-5	5A Circuit breaker
QL-8	8A Circuit breaker
QL-10	10A Circuit breaker
QL-15	15A Circuit breaker
QL-20	20A Circuit breaker
QL-25	25A Circuit breaker



WIRING DUCT VD SERIES WIRING DUCT

DESCRIPTION

VD Series wiring duct allows the simplification and acceleration of panel-building operations such as wire retention, identification of equipment and circuits, and wire

FEATURES

- · High impact PVC, self extinguishing
- Equipped with cover
- · Attractive white or gray finish
- UL recognized, file E97527
- One year warranty





Value

ine

ORDERING INFORMATION

MODEL VD1-15G 1.5"H x 1"W x 6.5'L (3.81 cm x 2.54 cm x 2m), includes cover VD1-15W 1.5"H x 1"W x 6.5'L (3.81 cm x 2.54 cm x 2m), includes cover VD1-3G 3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover VD1-3W 3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover VD15-15G 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-15W 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-3G 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD22-22G 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover VD3-3W 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover		
VD1-15W VD1-3G 3"H x 1"W x 6.5'L (3.81 cm x 2.54 cm x 2m), includes cover VD1-3W 3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover VD15-15G 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-15W 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-3G 3"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD22-22G 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover	MODEL	DESCRIPTION
VD1-3G VD1-3W 3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover VD15-15G 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-15W 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-3G 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD22-22G 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover	VD1-15G	1.5"H x 1"W x 6.5'L (3.81 cm x 2.54 cm x 2m), includes cover
VD1-3W 3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover VD15-15G 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-15W 1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover VD15-3G 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD22-22G 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover	VD1-15W	1.5"H x 1"W x 6.5'L (3.81 cm x 2.54 cm x 2m), includes cover
VD15-15G VD15-15W VD15-3G VD15-3G VD15-3W VD15-3W VD15-3W VD15-3W VD22-22G VD22-22G VD22-3G VD22-3W VD23-3G VD3-3G VD3-3G VD3-3G VD3-3G VD3-3G VD15-3F VD15-3F VD15-3F VD15-3F VD25-3F	VD1-3G	3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover
VD15-15W VD15-3G 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD22-22G 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD1-3W	3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover
VD15-3G 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD22-22G 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-22W 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD15-15G	1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover
VD15-3W 3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover VD22-22G 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-22W 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD15-15W	1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover
VD22-22G VD22-22W VD22-3G VD22-3W VD22-3W VD23-3G VD23-3G VD23-3G VD3-3G	VD15-3G	3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover
VD22-22W 2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover VD22-3G 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD15-3W	3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover
VD22-3G 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD22-22G	2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover
VD22-3W 3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD22-22W	2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover
VD3-3G 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD22-3G	3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover
	VD22-3W	3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover
VD3-3W 3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover	VD3-3G	3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover
	VD3-3W	3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover



IBOCO WIRING DUCT T1 SERIES

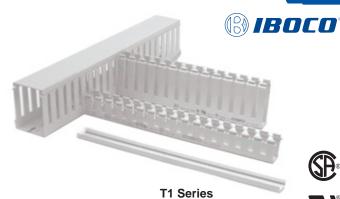


DESCRIPTION

T1 Series Wiring Duct allows for the simplification and acceleration of panel-building operations such as wire retention, identification of equipment and circuits, and wire separation.

FEATURES

- · Self-extinguishing rigid PVC duct
- Equipped with cover
- Attractive white or gray finish
- UL recognized component, CSA certified
- · Accessories available to minimize panel planning and construction time
- One-year warranty





INSTALLATION Double SEP Separator Scoreline Rated for -40° to 149°F (-40° to 65°C) CL Retainer 7P.2 Flush, No-slip, Latching Cover (included)

ORDERING INFORMATION

MODEL	DESCRIPTION
T1-1015*	Wire duct, 1.5"H x 1"W x 6.56'L (3.81 cm x 2.54 cm x 2m), includes cover (**18)
T1-1030*	Wire duct, 3"H x 1"W x 6.56'L (7.62 cm x 2.54 cm x 2m), includes cover (**24)
T1-1515*	Wire duct, 1.5"H x 1.5"W x 6.56'L (3.81 cm x 3.81 cm x 2m), includes cover (**20)
T1-1530*	Wire duct, 3"H x 1.5"W x 6.56'L (7.62 cm x 3.81 cm x 2m), includes cover (**16)
T1-2222*	Wire duct, 2.25"H x 2.25"W x 6.56'L (5.72 cm x 5.72 cm x 2m), includes cover (**12)
T1-2230*	Wire duct, 3"H x 2.25"W x 6.56'L (7.62 cm x 5.72 cm x 2m), includes cover (**12)
T1-3030*	Wire duct, 3"H x 3"W x 6.56'L (7.62 cm x 7.62 cm x 2m), includes cover (**12)

* Add -W for white wire duct or -G for gray wire duct

** Carton quantity, order per piece

	C	\sim		•	•	$\overline{}$			•
Δ			_	•	-		ĸ	-	-

CL-2230	Wire retainer, 3"H x 2.25"W (7.62 x 5.72 cm), for 11-2230W wire duct (^20)
DINBLOK3	DIN rail mounting block (**1)
SEP-15	Circuit separator, 1.5"H x 6.56'L (3.81 cm x 2m), use with duct 1.5"H (3.8 cm) (**32)
SEP-30	Circuit separator, 3"H x 6.56'L (7.62 cm x 2m), use with duct 3"H (7.62 cm) (**12)
COV-10*	1"W x 6.56'L (2.54 x cm x 2m) duct cover (**25)
COV-15*	1.5"W x 6.56'L (3.81cm x 2m) duct cover (**25)
COV-22*	2.25"W x 6.56'L (5.72 cm x 2m) duct cover (**25)
COV-30*	3"W x 6.56'L (7.62 cm x 2m) duct cover (**25)
ZP2	Wire tie attachment (**50)

* Add -W for white wire duct or -G for gray wire duct

** Carton quantity, order per piece

888-397-5353 USA kele.com

001-901-382-6084 International



IBOCO SMALL FINGER WIRING DUCT T1E

DESCRIPTION

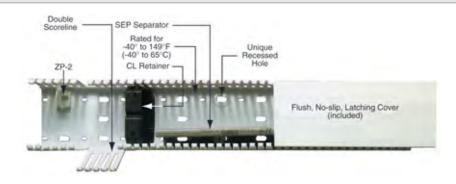
T1E Series wiring duct allows for the simplification and acceleration of panel-building operations such as wire retention, identification of equipment and circuits, and wire separation.

FEATURES

- · Self-extinguishing rigid PVC duct
- · Equipped with cover
- · Attractive white or gray finish
- · UL recognized component, CSA certified
- · Accessories available to minimize panel planning and construction time
- One-year warranty



INSTALLATION



ORDERING INFORMATION

MODEL	DESCRIPTION
T1E-1015*	Wire duct, small finger, 1.5" H x 1"W x 6.65"L (3.81 cm x 2.54 cm x 2m), w/cover
T1E-1030*	Wire duct, small finger, 3" H x 1"W x 6.65"L (3.81 cm x 2.54 cm x 2m), w/cover
T1E-1515*	Wire duct, small finger, 1.5" H x 1.5"W x 6.65"L (3.81 cm x 2.54 cm x 2m), w/cover
T1E-1530*	Wire duct, small finger, 3" H x 1.5"W x 6.65"L (3.81 cm x 2.54 cm x 2m), w/cover
T1E-2222*	Wire duct, small finger, 2.25" H x 2.25"W x 6.65"L (3.81 cm x 2.54 cm x 2m), w/cover
T1E-2230*	Wire duct, small finger, 3" H x 2.25"W x 6.65"L (3.81 cm x 2.54 cm x 2m), w/cover
T1E-3030*	Wire duct, small finger, 3" H x 3"W x 6.65"L (3.81 cm x 2.54 cm x 2m), w/cover

*Add -W for white wire duct or -G for gray wire duct

	ACCESSORIES	PAGE
CL-2230	Wire retainer, 3"H x 2.25"W (7.62 x 5.72 cm), for T1-2230W wire duct	711
COV-10*	1"W x 6.56'L (2.54 x cm x 2m) duct cover	711
COV-15*	1.5"W x 6.56'L (3.81cm x 2m) duct cover	711
COV-22*	2.25"W x 6.56'L (5.72 cm x 2m) duct cover	711
COV-30*	3"W x 6.56'L (7.62 cm x 2m) duct cover	711
DINBLOK3	DIN rail mounting block	711
SEP-15	Circuit separator, 1.5"H x 6.56'L (3.81 cm x 2m), use with duct 1.5"H (3.8 cm)	711
SEP-30	Circuit separator, 3"H x 6.56'L (7.62 cm x 2m), use with duct 3"H (7.62 cm)	711
ZP2	Wire tie attachment	

NEW!

ABB WIRING DUCT ABB SERIES



DESCRIPTION

ABB Series wiring duct allows for the simplification and acceleration of panel-building operations such as wire retention, identification of equipment and circuits, and wire separation.

FEATURES

- UL94VO resistant to abnormal heat and fire up to 960°F
- Equipped with cover
- · Attractive white or gray finish
- · Accessories available to minimize panel planning and construction time
- UL File# E125800, IEC 695-2-1 Standard
- One-year warranty



ORD	ERIN	IG I	NFO	RM	ATI	ON

MODEL	DESCRIPTION
<u>Gray</u>	
ABB-5043	1.5"H x 1"W x 6.5'L (3.81 cm x 2.54 cm x 2m), includes cover
ABB-5083	3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover
ABB-5045	1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover
ABB-5085	3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover
ABB-5067	2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover
ABB-5087	3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover
ABB-5089	
<u>White</u>	3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover
ABB-1SL5043A00	1.5"H x 1"W x 6.5'L (3.81 cm x 2.54 cm x 2m), includes cover
ABB-1SL5083A00	3"H x 1"W x 6.5'L (7.62 cm x 2.54 cm x 2m), includes cover
ABB-1SL5045A00	1.5"H x 1.5"W x 6.5'L (3.81 cm x 3.81 cm x 2m), includes cover
ABB-1SL5085A00	3"H x 1.5"W x 6.5'L (7.62 cm x 3.81 cm x 2m), includes cover
ABB-1SL5067A00	2.25"H x 2.25"W x 6.5'L (5.72 cm x 5.72 cm x 2m), includes cover
ABB-1SL5087A00	3"H x 2.25"W x 6.5'L (7.62 cm x 5.72 cm x 2m), includes cover
ABB-1SL5089A00	3"H x 3"W x 6.5'L (7.62 cm x 7.62 cm x 2m), includes cover

ACCESSORIES

<u>Gray</u>	
ABB-5302	Gray cover for 1"W wire duct
ABB-5304	Gray cover for 1.5"W wire duct
ABB-5306	Gray cover for 2.25"W wire duct
ABB-5308	Gray cover for 3"W wire duct
ABB-05240	Plastic label for slot mounting
<u>White</u>	
ABB-1SL5302A00	White cover for 1"W wire duct
ABB-1SL5304A00	White cover for 1.5"W wire duct
ABB-1SL5306A00	White cover for 2.25"W wire duct
ABB-1SL5308A00	White cover for 3"W wire duct

January 2012



WIRING AIDS AND DIN RAIL P, DN SERIES, DIN RAIL

DESCRIPTION

The P Series Spiralite universal spiral wrapping is great for fast and economical grouping of wire bundles. **FEATURES**

- · Polyethylene construction
- Provides flexible connection between panel and door
- · Strong, yet simple to install and remove

ORDERING INFORMATION					
MODEL	FOR WIRE BUNDLES in (cm)	FT (m) (per carton*)			
P2	1/4 to 1 (0.64 to 2.54)	80 (24)			
P3	3/8 to 2 (0.95 to 5.08)	80 (24)			
P4	1/2 to 3 (1.27 to 7.62)	65 (20)			
* Available in carton quantities only – order quantity 1 = 1 carton					



DESCRIPTION

The **DN Series** dinosaur duct is flexible wiring duct for easy addition or removal of wiring.

FEATURES

- · Adhesive back for applications where mounting holes cannot be drilled
- Accommodates cables in restricted spaces
- · Easily cut to desired length using scissors or knife

ORDERING INFORMATION					
MODEL	NOMINAL SIZE	LENGTH	PIECES		
White	H x W in (cm)	in (cm)	(per carton)*		
DN-25AW	0.50 x 0.75 (1.27 x 1.91)	19.7 (49.5)	24		
DN-35AW	1.00 x 1.38 (2.54 x 3.51)	19.7 (49.5)	24		
DN-45AW	1.38 x 1.75 (3.51 x 4.45)	19.7 (49.5)	14		
Gray					
DN-25AG	0.50 x 0.75 (1.27 x 1.91)	19.7 (49.5)	24		
DN-35AG	1.00 x 1.38 (2.54 x 3.51)	19.7 (49.5)	24		
DN-45AG	1.38 x 1.75 (3.51 x 4.45)	19.7 (49.5)	14		
	'				

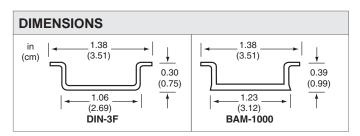


DESCRIPTION

DIN rail is the standard method for mounting relays and terminal blocks. Kele offers four models with different features.

FEATURES

- One meter length (39.4") Steel or aluminum
- Perforated





ORDERING INFORMATION

MODEL DESCRIPTION BAM-1000 35 mm aluminum DIN mounting rail 39.4" (1m) DIN-3F 35 mm DIN rail, steel, 39.4" (1m), RoHS compliant DINRALU DIN rail, aluminum **DINRSTL** DIN rail, steel

RELATED PRODUCTS

DINCLIC-FM4 Mounting clips, 4 mm screw size

PANEL RECEPTACLE & DISCONNECT SWITCH ASSEMBLIES PDK. PRK



DESCRIPTION

These panel receptacle and disconnect switch assemblies combine convenience and function. Models PRK-S, PRK-FS, and PRK-FLS provide constant power to the receptacle and can be used to power down the rest of the panel with the toggle switch. Models PRK-FS and PRK-FLS include a fuse holder for circuit protection (fuse sold separately). Models PDK and PRK use the standard single-gang configuration and the Models PRK-FLS, PRK-FS, and PRK-S use the double-gang configuration. The 51012218 offers DIN rail mounting and convenient push-on wiring.

FEATURES

- Prewired
- Handy box included
- · Cost effective
- · Always hot receptacle
- · Panel disconnect switch
- · Pilot light option to indicate closed switch

CAUTION: Recptacle is always hot.

SPECIFICATIONS

Supply Voltage 120 VAC, 120 VAC

Current Rating

Non-GFI 20A @ 120 VAC **GFI** 15A @ 120 VAC Switch 20 A @120 VAC Indicator 25 mA @120 VAC

Wire Type 12 AWG (UL) MTW 600V, 13 AWG (UL) MTW 600V

Fuse Size 250V (0-15A ordered separately)

Dimensions

PDK, PDK-F, PRK, 51012218, PRK-GFI

4.75" H x 2.75" W

(12.07 x 6.99 cm)

PRK-S, PRK-FS, PRK-FLS

4.50" H x 4.50" W

(11.43 x 11.43 cm)

Warranty 1 year







PRK-S

0

PRK-FLS

PDK



51012218

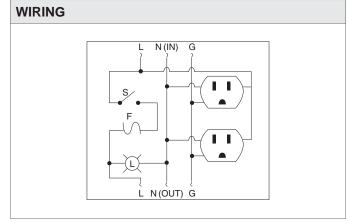




PDK-F-2P

PRK-FLS

PDK-L



ORDERING INFORMATION

MODEL	DESCRIPTION
PDK	Panel disconnect switch assembly
PDK-F-2P	Panel disconnect switch assembly, 2 pole, 1 leg fused
PDK-L	Panel disconnect switch assembly with green light
PRK	Panel receptacle assembly
PRK-FLS	Panel switch and receptacle assembly with fuse holder and green light
PRK-FS	Panel switch and receptacle assembly with fuse holder
PRK-GFI	Panel receptacle assembly with GFI receptacle
PRK-S	Panel switch and receptacle assembly

RELATED PRODUCTS

GF Series Fuses (fuses ordered separately)

January 2012

kele.com

888-397-5353 USA 001-901-382-6084 International

PILOT LIGHTS L4000 SERIES

DESCRIPTION

L4000 Series replaceable incandescent pilot lights with associated colored lenses can be mounted to control panels to provide instantaneous status indication of mechanical equipment such as fans, pumps, compressors, or control circuits.

FEATURES

- Low cost
- · Noncorrosive black polyester body
- Nickel-plated brass terminals for positive contact
- Sturdy polycarbonate lenses
- Simple installation with nylon hex nut
- Replaceable incandescent lamps

SPECIFICATIONS

Terminals Nickel plated brass **Body Material** Black polyester Bezel Polished stainless steel Lens Polycarbonate

11/16" (1.75 cm) dia hole, supplied Mounting

with polyester hex nut, Threaded UL-recognized component,

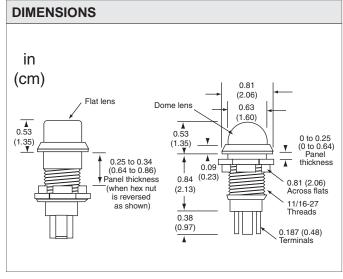
Approvals File #E20325; CSA recognized,

File #LR13346

Model	Supply Voltage	Supply Current	Life Expectancy
12PSB5	12 VAC/VDC	0.17A	12,000 hours
24PSB5	24 VAC/VDC	0.073A	10,000 hours
28PSB5	28 VAC/VDC	0.04A	5,000 hours
120PSB5	120 VAC/VDC	0.025A	5,000 hours
5SBF200OCW028B	24 VDC	0.015A	50,000 hours
5SBF200OCW120A	120 VAC	0.010A	50,000 hours

*Average life ratings are based on shock-free, vibration-free, transient-free continuous operation. Incandescent lamps should not be connected across inductive loads, such as a relay coil or solenoid, without a varistor or transzorb to prevent voltage transients from damaging the filament.





ORDERING INFORMATION SOCKET LAMPS MODEL DESCRIPTION MODEL DESCRIPTION Lamp socket, 11/16" dia threaded 12PSB5 Lamp, 12 VAC/VDC L4017 Lamp, 24 VAC/VDC 24PSB5 28PSB5 Lamp. 28 VAC/VDC 120PSB5 Lamp, 120 VAC/VDC 5SBF200-OCW-028B LED, 24 VDC 5SBF200-OCW-120A LED, 120 VAC **ROUND LENSES** FLAT LENSES L4018 Round lens, red L4025 Flat lens, red L4019 L4026 Round lens, clear Flat lens, clear L4020 L4027 Flat lens, amber Round lens, amber L4028 L4021 Flat lens, white Round lens, white L4022 L4029 Round lens, green Flat lens, green L4023 L4030 Round lens, blue Flat lens, blue L4024 Round lens, vellow L4031 Flat lens, vellow

RELATED PRODUCTS

SSG1-11/16 Wall plate box mount 11/16" hole

001-901-382-6084 International 888-397-5353 USA **kele.com**

IDEC PILOT LIGHTS APW SERIES



DESCRIPTION

APW Series replaceable incandescent and LED pilot lights can be mounted on control panels to provide immediate visual status of mechanical equipment such as fans, pumps, compressors, or control circuits.

FEATURES

- · Rugged, oil-tight construction
- · Bezel-threaded lock ring for easy panel installation
- Incandescent or LED lamps
- · Small size

LED

Incandescent

- · Excellent visibility
- · Multiple voltage input ranges





SSG1-67











SPECIFICATIONS

Materials Of Construction Lens Acrylic Base Nylon

Bezel Chrome-plated die-cast zinc

#6-40 (M3.5) screws **Terminals** 0.86" (2.2 cm) hole Mounting

Panel Thickness Panel thickness adjustment ring 0.04" to 0.24" (0.10 to 0.61 cm) Lamps T3-1/4 miniature bayonet base

6 VDC, 52 mA; 12 VAC/VDC, 26 mA; 24 VAC/VDC,13 mA; 120 VAC,

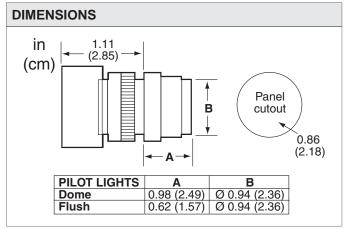
> 8 mA; 1,000,000 hrs average life 6.3V, 1W; 12V, 1W; 24V, 1W; 3000

hrs average life

Protection Rating NEMA 1, 2, 3, 3R, 4, 4X, 12, 13 **Approvals** UL listed, File #E70646;CSA

certified, File #LR48366

Warranty 1 year



ORDERING INFORMATION **PILOT LIGHTS INCANDESCENT** LED **MODEL STYLE MODEL STYLE** APW299 - † - †† APW299D - † - †† Dome Dome APW199D - † - †† APW199 - † - †† Round flush Round flush † Lens Color Code: R-Red, G-Green, A-Amber, S-Blue, W-White † Lens Color Code: R-Red, G-Green, A-Amber, S-Blue, W-White, Y-Yellow †† Lamp Voltage Code: 6-6 VAC/VDC, 12-12 VAC/VDC, 24-24 VAC/VDC †† Lamp Voltage Code: 6-6 VDC, 12-12 VAC/VDC, 24-24 VAC/VDC, 120-120 VAC

REPLACEMENT LAMPS					
INCANDESCENT LED					
MODEL	VOLTAGE	MODEL	VOLTAGE	COLOR	
IS-6	6.3V	LSTD-6†	6 VDC	G - Green	
IS-12	12V	LSTD-1†	12 VAC/VDC	R - Red A - Amber	
IS-24	24V	LSTD-2†	24 VAC/VDC	W - White	
		LSTD-H2†	120 VAC	S - Blue	

RFI	ATED	PRODU	PTO

E-1PBG	One-hole NEMA 12/13 push-button enclosure	E-4PBG*	Four-hole NEMA 12/13 push-button enclosure
E-2PBG*	Two-hole NEMA 12/13 push-button enclosure	SSG1-67	Wall plate box mount 7/8" hole
E-3PBG*	Three-hole NEMA 12/13 push-button enclosure	* Holes are	e 22.5 mm in a vertical arrangement.

kele.com



IDEC PILOT LIGHTS AND MINIATURE SWITCHES A SFRIFS

DESCRIPTION

A Series pilot lights and illuminated push buttons are low-cost, lighted operator devices.

A Series selector switches and non-illuminated push buttons are low-cost operator devices.

FEATURES

Pilot Lights

- · Attractive housing with bright LED indication
- Smaller 5/8" (1.6 cm) cutout required
- Long-lasting LED lamps, 24 VAC/DC ±5%
- 1 Amp contacts, 24/120V
- Oil tight (IP65 when mounted in enclosure)
- SPDT switches
- Momentary or maintained switches
- Illuminated push buttons ideal for push-to-test applications
- Solder connections
- · One-year warranty

Selector Switches

- Smaller 5/8" (1.59 cm) cutout required
 Oil-tight (IP65 when mounted in enclosure)
- 1-amp contacts, 24/120V
- SPDT switches
- Momentary and maintained pushbuttons
- Maintained two- and three-position selector switch
- Solder connections
- · One-year warranty





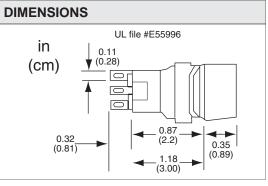


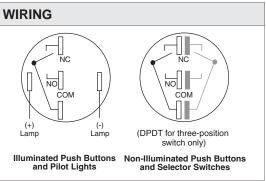


NON-ILLUMINATED PUSH BUTTONS MODEL DESCRIPTION AB6M Round non-illuminated push button M Momentary operation A Maintained operation 1P SPDT contacts DPDT contacts BUTTON COLOR G (green), R (red), S (blue), W (white), Y (yellow), B (black) Example: AB6M-M1P-R Round non-illuminated push button, momentary, SPDT contacts, red button AB6M M 1P **ILLUMINATED PUSH BUTTONS** MODEL DESCRIPTION AL6M Round illuminated push button, 24 VAC/VDC M Momentary operation A Maintained operation 14P SPDT contacts 24P DPDT contacts BUTTON COLOR A (amber), G (green), R (red), S (blue), W (white), Y (yellow) Example:AL6M-M14P-A Round illuminated push button, momentary, SPDT contacts, amber lens AL6M M 14P **PILOT LIGHTS** AL6M-P4P Round pilot light, 24 VAC/VDC LENS COLOR A (amber), G (green), R (red), S (blue), W (white), Y (yellow) AL6M-P4P Example: AL6MP4P-A Round pilot light, amber lens SELECTOR SWITCHES AS6M Round selector switch

AS6M - 2Y2P Example: AL6M-2Y2P Two-position round selector switch, maintained operation

ORDERING INFORMATION





RELATED PRODUCTS

SSG1-5/8 Wall plate box mount 5/8" hole

TOGGLE SWITCHES RBTS SERIES

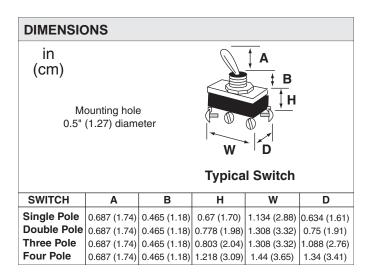


DESCRIPTION

RBTS series toggle switches are general-purpose toggle switches for pilot duty control of electric equipment such as fans, pumps, and compressors or control of electric control circuits.

FEATURES

- · Non-corrosive, phenolic and metal housing
- Durable slow-make/slow-break contact mechanism
- · Simple installation requires single hole
- Conveniently installed with one hexagon locknut and one knurled facenut (furnished)
- Compression spring provides positive contact pressure in closed position





SPECIFICATIONS	
Contact Rating	10A @ 250 VAC 15A @ 125 VAC 3/4 hp 120-240 VAC
Terminals Housing Material	Screw Phenolic, metal (bright nickel plated brass)
Mounting Approvals	Single hole type, 0.5" dia (1.27 cm) UL-recognized component, File #E7560; CSA certified, File #LR9280
Warranty	1 year

ORDERING INFORMATION								
MODEL	DESCRIPTION	MODEL	DESCRIPTION					
RBTS308	Toggle switch SPST on-off	RBTS114	Toggle switch 3PST on-off					
RBTS312	Toggle switch SPDT on-on	RBTS111	Toggle switch 3PDT on-on					
RBTS310	Toggle switch SPDT on-off-on	RBTS117	Toggle switch 3PDT on-off-on					
RBTS314	Toggle switch DPST on-off	RBTS413	Toggle switch 4PST on-off					
RBTS315	Toggle switch DPDT on-on	RBTS415	Toggle switch 4PDT on-on					
RBTS316	Toggle switch DPDT on-off-on	RBTS414	Toggle switch 4PDT on-off-on					

LEGEND PLATES					
MODEL DESCRIPTION					
SYZE-212	On/Off/Auto plate				

	RELATED PRODUCTS	
SSG1-1/2	Wall plate box mount 1/2" hole	

kele.com

888-397-5353 USA 001-901-382-6084 International



IDEC GENERAL PURPOSE SELECTOR SWITCHES ASW SERIES

DESCRIPTION

The ASW Series general-purpose selector switches are for pilot duty control of electrical equipment such as fans, pumps, compressors, or control circuits.

FEATURES

Terminals

- · Rugged, oil-tight construction
- Snap-fit blocks with N.O. and N.C. contacts
- Self-cleaning silver contacts
- Durable nylon operator base
- Optional key or lever styles available







SSG1-67

in E-1PBG

ACSNO-354-YB-C3016





 \checkmark

Knob Style Selector Switch



SPECIFICATIONS

Contact Rating 10A, 600 VAC/VDC;

5 mA, 3 VAC/VDC minimum **Contact Resistance** 50 Ωm maximum (inital value) **Contact Material**

Silver

Electrical Life 500,000 minimum operations **Protection Rating** NEMA 1, 2, 3, 3R, 4, 4X, 12, 13

#6-40 (M3.5) screws

Mechanical Life 500,000 minimum operations

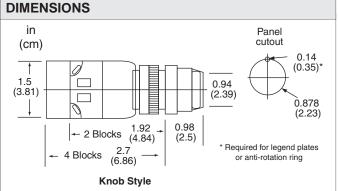
Mounting 0.878" (2.23 cm) hole

Panel Thickness Panel thickness adjustment ring,

0.04" to 0.24" (0.10 to 0.61 cm) UL listed, File #E70646;

Approvals CSA certified, File #LR48366

Warranty 1 year



ORDERING INFORMATION

SELECTOR SWITCHES															
TWO-POSITIO		NTA	AINE	D	THREE-POSITION MAINTAINED						INTAINED ADDITIONAL CONTACT BLOCKS				
Model	Contact Configuration	Contact #	Ope Pos	rator ition	Model	Contact Configuration	Contact #		perat		HW-C10	Normally open contact			
ASW210 ASW2K10 (Key)	1 N.O.	1	0	х	ASW320 ASW3K20 (Key)	2 N.O.	1 2	X	0	O X	HW-C01	Normally close contact			
ASW201-116	1 N.C.	1	х	0	· · · · · ·	2 N.O. 1 N.C.	1 2 3	X O O	0 X 0	0 0 X	TW-DB	Dummy block (needed when only one HW-C10 or HW-C01 is used)			
ASW211 ASW2K11 (Key)	1 N.O. 1 N.C.	1 2	X	O X	ASW322 ASW3K22 (Key)	2 N.O. 2 N.C.	1 2 3 4	X O O X	0 0 X X	0 X X 0					
NWAL-212	NWAL-212 Legend Plate-Off-On Off-On NWAL-317 Legend Plate-Hand-Off-Auto Note: Key is removeable in any position.														
-X	X = Contacts closed O = Contacts open X = Contacts remain closed when switch is moved between these two positions.														
								CA	M SV	VITC	HES				
	ACSNO-244-YB-C2008 Four-position, contact made each position only, 45 degrees (1.2", 3.05 cm mounting hole) ACSNO-354-YB-C3016 Five-position, contact made each position only, 45 degrees (1.2", 3.05 cm mounting hole)														

RELATED PRODUCTS

E-1PBG One-hole NEMA 12/13 push-button enclosure E-2PBG* Two-hole NEMA 12/13 push-button enclosure E-3PBG* Three-hole NEMA 12/13 push-button enclosure E-4PBG* Four-hole NEMA 12/13 push-button enclosure

NWAL-CUSTOM Custom engraved nameplate SSG1-67 Wall plate box mount 7/8" hole

* Holes are 22.5 mm in a vertical arrangement.

ABB PUSHBUTTONS, SELECTOR SWITCHES, PILOT LIGHTS, POTENTIOMETERS CL. KT. M. MP SERIES



DESCRIPTION

This series of operator interface devices offers a wide variety of pushbuttons, selectors switches, and pilot lights. There are also press-to-test pilot lights and a potentiometer added to the product line. These devices use the IEC style of buttons, plus offer economical pricing.

FEATURES

- 22.5 mm size
- · Quick release contact blocks
- · Press-to-test pilot light offered
- Potentiometer model
- UL listed, file #E57057
- CSA certified, file #LR19700

SPECIFICATIONS

Contact Rating

AC 120V, 6A; 240V, 3A, 480V, 1.5A;

600V, 1.2A

120V, 0.55A; 240V, 0.27A; 480V, DC

0.1A; 600V, 0.1A

Contact Resistance $<25~\text{m}\Omega$

Rated Insulation Voltage

690V

Mechanical Life 10 million operations (contact

block)

Terminals #14-20 AWG

Contact Material Silver

0.874" (2.25 cm) hole Mounting

0.059" to 0.236" (0.15 to 0.6 cm) **Panel Thickness Protection Rating** NEMA type 1, 3R, 4, 4X, 12, 13 UL listed, File #E57057; **Approvals**

CSA certified. File #LR19700

Warranty 1 year

Selector switch







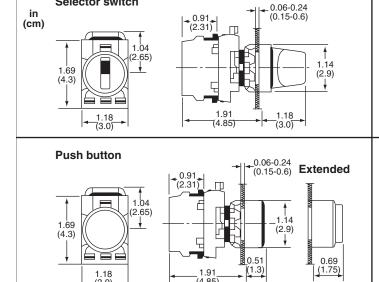


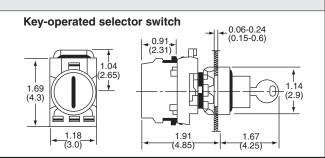
SSG1-67

SPA



DIMENSIONS





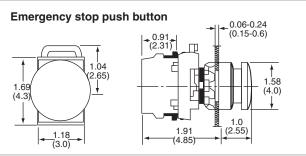
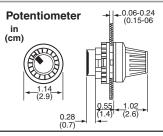


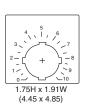


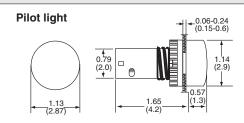
ABB PUSHBUTTONS, SELECTOR SWITCHES, PILOT LIGHTS, POTENTIOMETERS CL. KT. M. MP SERIES











Selector switch contact functions



Left

Χ

block 0

Handle

Α

 \overline{c}

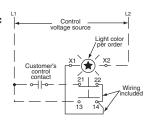
position

O = not actuated (normal state) X = actuated (state changed)

Right	
block	
0	

Handle position	Left block	Right block
A	Χ	0
В	0	0
С	0	Χ

Press-to-test Pilot light schematic



ORDERING INFORMATION

KEY SWITCHES

M2SSK1 Two-position, key-operated selector switch, key removed each position M3SSK1 Three-position, key-operated selector switch, key removed each position 30 Chrome bezel

1 Standard key code

Normally open contacts (max 2 for 3 pos, 1 for 2 pos) # Normally closed contacts (max 2 for 3 pos, 1 for 2 pos)

SELECTOR SWITCHES (Center off only)

M2SS2 Two-position selector switch, maintained each position M3SS1 Three-position selector switch, maintained each position 30 Chrome bezel B Black operator

Normally open contacts (max 2) # Normally closed contacts (max 2)

PUSH BUTTONS

MP Flush and extended push buttons 1 Flush momentary operator 2 Flush maintained operator 3 Extended momentary operator 4 Extended maintained operator 30 Chrome bezel

Color R-Red, G-Green, Y-Yellow, L-Blue, W-White, B-Black # Normally open contacts (max 3)

Normally closed contacts (max 3)

MUSHROOM PUSH BUTTONS

MPM1-60R Red mushroom momentary, chrome bezel, 40 mm MPMP3-20R Red mushroom maintained - pull to release, no bezel, 40 mm # Normally open contacts (max 3)

Normally closed contacts (max 3)

PILOT LIGHTS

CL Pilot light with integrated LED 502 24 VAC/VDC 513 110-130 VAC Color R-Red, G-Green, Y-Yellow, L-Blue, W-White

PRESS-TO-TEST PILOT LIGHTS

MP1-MLFPT Press-to-test illuminated pilot light including one normally open and one normally closed contact

8 24V full voltage incandescent 120V full voltage incandescent L8 24V LED **L1** 120V LED R-Red, G-Green, Y-Yellow,

L- Blue, W-White

POTENTIOMETER

	0-10 $k\Omega$ cermet potentiometer, 280-degree rotation, metal housing, black knob w/ white marking		
SPA MT-310B, SS plate, custom plate			
SK615562-87 Sweep symbol legend plate			
SK615562-88	Legend plate with 0 to 10 scale		

RELATED PRODUCTS

E-1PBG One-hole NEMA 12/13 push-button enclosure E-2PBG* Two-hole NEMA 12/13 push-button enclosure E-3PBG* Three-hole NEMA 12/13 push-button enclosure E-4PBG* Four-hole NEMA 12/13 push-button enclosure

MCB-01 Normally closed contact block MCB-10 Normally open contact block

RELATED PRODUCTS

SK615540-1** 29.6 x 39 mm blank legend plate **SK615541-1**** 29.6 x 44.5 mm blank legend plate SK616021-71** Spare key for key switch SSG1-67 Wall plate box mount 7/8" hole

*Holes are 22.5 mm in a vertical arrangement.

** Custom plates from factory only

001-901-382-6084 International | 888-397-5353 USA | **kele.com**

IDEC PUSHBUTTON SWITCHES ABW. AOW SERIES



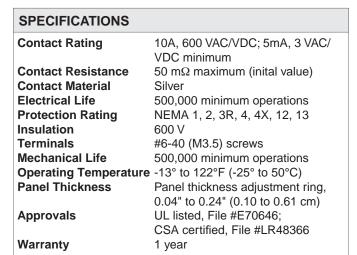
DESCRIPTION

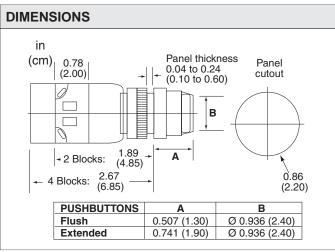
The **ABW** and **AOW Series** Push Button Switches are for manual control of fans, pumps, compressors, or control circuits.

FEATURES

- · Flush, extended, or mushroom style available
- · Snap-fit blocks with N.O. and N.C. contacts
- · Self-cleaning silver contacts
- · Rugged, oil-tight construction







ORDERING INFORMATION MODEL DESCRIPTION ABW Momentary action push-button switch AOW Maintained action push-button switch Flush (includes colored buttons of red, green, and black) Extended (specify color below, red standard) Mushroom (specify color below, red standard) # Normally open contacts (max 2) # Normally closed contacts (max 2) Button color for extended and mushroom models B = Black, G = Green, R = Red Example: ABW101 Momentary flush push button with ABW 1 0 1 one normally closed contact

	RELATED PRODUCTS	
E-1PBG	One-hole NEMA 12/13 push-button enclosure	
E-2PBG*	Two-hole NEMA 12/13 push-button enclosure	
E-3PBG*	Three-hole NEMA 12/13 push-button enclosure	
E-4PBG*	Four-hole NEMA 12/13 push-button enclosure	
HW-C01	Normally closed contact	
HW-C10	Normally open contact	
NWAR-27	Emergency stop label 2.75" (6.99 cm) round	
SSG1-67	Wall plate box mount 7/8" hole	
TW-DB	Dummy block (needed when only 1 HW-C10 or HW-C01 is used)	

.com | 888-397-5353 USA | 001-901-382-6084 International



PLATE-MOUNTED POTENTIOMETER

DESCRIPTION

The SPA plate-mounted potentiometer is used as a setpoint input. This 0-10 k Ω 3-wire potentiometer can be used as a direct input to a controller. When combined with a VTI or UAT to convert to an analog signal, the SPA can be used to manually position a valve or damper actuator. When combined with a UCM-420A or UCS-121-R you get the advantage of stand-alone control. The plate is custom designed, so it can be made with any desired color, unit, and range.





SPA

ORDERING INFORMATION

MODEL **DESCRIPTION**

SPA 0-10 k Ω Plate mounted potentiometer slotted solder lugs \pm 10% linear accuracy – specify color, unit, range SPA-UAT-1 SPA potentiometer with UAT-1 calibrated for mA or voltage output – specify output (requires 24 VAC/DC power,

see UAT page in our Transducer section)

SPA-VTI-1 SPA potentiometer with VTI-1 calibrated for 4-20 mA output (requires 24 VDC power, see VTI page in our Transducer section)

ENGRAVED PHENOLIC LABELS LABELS

DESCRIPTION

Kele offers a large selection of custom engraved labels for assembled panels, tags for valves, terminal blocks, or standalone user interface products. Our computerized engraver allows us to create designs with unusual shapes, colors, holes, and lettering on the screen. We offer standard sizes for rectangular labels, but specials are easily done.

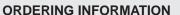
STANDARD SIZES

SIZES in (cm)	NUMBER LINES*	# OF CHARACTERS PER LINE	LETTER SIZE in (mm)
1/2 x 1 (1.3 x 2.5)	1	4	1/8 (3.2)
3/4 x 1-1/2 (1.9 x 3.8)	2	7	1/8 (3.2)
3/4 x 1-1/2 (1.9 x 3.8)	2	5	3/16 (4.8)
3/4 x 1-1/2 (1.9 x 3.8)	1	4	1/4 (6.4)
3/4 x 3 (1.9 x 9.6)	2	16	1/8 (3.2)
3/4 x 3 (1.9 x 9.6)	2	11	3/16 (4.8)
3/4 x 3 (1.9 x 9.6)	1	8	1/4 (6.4)
1 x 2 (2.5 x 5.1)	3	10	1/8 (2.2)
1 x 2 (2.5 x 5.1)	2	7	3/16 (4.8)
1 x 2 (2.5 x 5.1)	2	6	1/4 (6.4)
1 x 3 (2.5 x 9.6)	2	8	1/4 (6.4)
1 x 3 (2.5 x 9.6)	2	11	3/16 (4.8)
1 x 3 (2.5 x 9.6)	1	5	3/8 (9.5)
1 x 3 (2.5 x 9.6)	3	16	1/8 (3.2)
1 x 4 (2.5 x 10.2)	2	11	1/4 (6.4)
1 x 4 (2.5 x 10.2)	2	14	3/16 (4.8)
1 x 4 (2.5 x 10.2)	1	7	3/8 (9.5)
1 x 4 (2.5 x 10.2)	3	21	1/8 (3.2)

* Each line of text must be indicated by a separate set of quotation

Example: Order a 1" x 3" label, 1/4" lettering, black background with white lettering, "BEST" "SERVICE"





- 1. Label size
- 2. Label / text color

Black background with white letters White background with black letters Red background with white letters White background with red letters Blue background with white letters White background with blue letters Metallic silver background with black letters

- 3. Letter size Upper case is standard
- 4. Text row 1

Text - row 2

Text - row 3

5. Standard options

Chain hole, chain hole with chain Two screw holes (subtract 3 characters) Toggle switch hole

Pushbutton / selector switch / pilot light hole

6. Non-standard labels - send drawing

COMPRESSION TERMINALS AND SPLICES COMPRESSION TERMINALS AND SPLICES



DESCRIPTION

Compression terminals and splices are used for connecting, securing, and terminating all types of electrical wiring applications. Each terminal is an assembly of a bare terminal fitted with a funneled copper gripping sleeve and a tightly fitted insulation sleeve made of nylon.







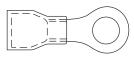
FEATURES

- · Premium-grade, nylon-insulated terminals
- Excellent quality, reliability, and performance
- Low cost
- UL File# E76766

ORDERING INFORMATION									
Model	Wire Size Stud Width Color Package Q								
RINGS									
NR2218-8N	22-18	#8-0.178"	0.268 (0.68)	Red	100				
NR1614-8N	16-14	#8-0.178"	0.26 (0.66)	Blue	100				
NR1412-8N	14-12	#8-0.178"	.0315 (.80)	Yellow	100				
BLOCK SPAD	ES								
NBS2218-4	22-18	#4-0.119"	0.228 (0.58)	Red	100				
NBS2218-8N	22-18	#8-0.178"	0.276 (0.70)	Red	100				
NBS1614-4	16-14	#4-0.119"	0.232 (0.59)	Blue	100				
NBS1412-8	14-12	#8-0.178"	0.315 (0.80)	Yellow	100				

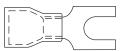
Model	Wire Size	Mating Tab	Color	Package Qty						
FEMALE DISCON	FEMALE DISCONNECTS									
NFD2218-110	22-18	0.020 x 0.110 (0.05 x 0.28)	Red	100						
NFD2218-187	22-18	0.020 x 0.187 (0.05 x 0.47)	Red	100						
NFD2218-250	22-18	0.032 x 0.250 (0.05 x 0.64)	Red	100						
NFD1614-110	16-14	0.020 x 0.110 (0.05 x 0.28)	Blue	100						
NFD1614-187	16-14	0.020 x 0.187 (0.05 x 0.47)	Blue	100						
NFD1614-250	16-14	0.032 x 0.250 (0.05 x 0.64)	Blue	100						
NFD1412-250	14-12	0.032 x 0.250 (0.05 x 0.64)	Yellow	100						
NFD1210-250	12-10	0.032 x 0.250 (0.05 x 0.64)	Yellow	100						
PIGGYBACK DIS	CONNECTS	S								
NPBFD2218-250	22-18	0.032 x 0.250 (0.05 x 0.64)	Red	50						
NPBFD1614-250	16-14	0.032 x 0.250 (0.05 x 0.64)	Blue	50						
NPBFD1210-250	12-10	0.032 x 0.250 (0.05 x 0.64)	Yellow	50						
FULLY INSULATE	ED FEMALE	DISCONNECTS								
FIFD1614-187	22-18	0.020 x 0.187 (0.05 x 0.47)	Red	50						
FIFD1614-250	22-18	0.032 x 0.250 (0.05 x 0.64)	Red	50						
FIFD2218-187	16-14	0.020 x 0.187 (0.05 x 0.47)	Blue	50						
FIFD2218-250	16-14	0.032 x 0.250 (0.05 x 0.64)	Blue	50						

BUTT SPLICES						
Model	Wire Size	Color	Package Qty			
NBS-2218	2218	Red	50			
NBS-1614	16-14	Blue	50			
NBS-1210	12-10	Yellow	50			

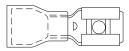


Disconnect

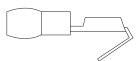
Ring



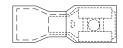
Block Spade



Female Disconnect



Piggyback Disconnect



Fully Insulated Female Disconnect



Butt Splice



PNEUMATIC AIR SUPPLY BARB FITTINGS **B SERIES**

SOLDER	SOLDER ADAPTERS							
Model		Cross Reference				Std. Pack		
	Robertshaw	Johnson	Siemens	Honeywell				
B-121	-	-	-	-	3/16 ID 1/4 OD	100		
					to 5/32 B			
B-122	-	-	-	1610B	3/16 ID 1/4 OD	100		
					to 1/4 B			
B-123	21-375	F-100-12	141-425	1586B	1/4 ID to 1/4 B	100		



MALE ADAPTERS						
Model		Cross Refe	erence		Description (in)	Std. Pack
	Robertshaw	Johnson	Siemens	Honeywell		
B-130	-	-	-	-	3/16 x 1/8 MPT	100
B-131-10	21-784	F-100-21	141-249	-	1/4 or 5/32	100
					x 1/8 MPT	
B-132	20-885	F-100-11	141-202	1590BT	1/4 x 1/8 MPT	100
B-133	21-005	F-100-35	141-354	1591BT	3/8 x 1/8 MPT	100
B-134	-	-	141-209	1592BT	3/8 x 1/4 MPT	50



FEMALE ADAPTERS							
Model	Cross Reference				Description (in)	Std. Pack	
	Robertshaw	Johnson	Siemens	Honeywell			
B-135	20-925	-	141-211	1594B	1/4 x 1/8 FPT	100	



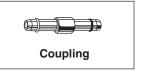
COMPRESSION ADAPTERS							
Model	Cross Reference Description (in) Std. Page 1					Std. Pack	
	Robertshaw	Johnson	Siemens	Honeywell			
B-136	20-892	-	-	-	3/16 x 1/4 Comp	100	
B-137	20-893	F -200-33	141-233	1635B	1/4 x 1/4 Comp	50	



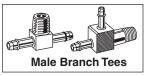
BULKHE	BULKHEAD BARBS							
Model		Cross Refe	Description (in)	Std. Pack				
	Robertshaw	Johnson	Siemens	Honeywell				
B-138	20-894	-	-	1619B	1/4 B x 1/4 Comp	25		
B-139	21-377	-	-	-	3/8 B x 3/8 Comp	25		
B-142	20-874	-	-	-	1/4 B x 1/4 B	50		



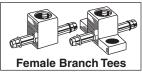
COUPLINGS						
Model		Cross Refe		Description (in)	Std. Pack	
	Robertshaw	Johnson	Siemens	Honeywell		
B-260	20-875	F-300-31	141-247	1628B	5/32 x 5/32	50
B-261	21-064	F-300-30	141-246	1606B	1/4 x 5/32	50
B-262	-	-	-	-	1/4 x 3/16 Solder	100
B-262-1	21-611	-	-	-	1/4 x 3/16 B	100
B-263	20-886	F-300-26	141-201	1607B	1/4 x 1/4	50
B-264	20-887	F-300-27	141-216	1608B	3/8 x 3/8	50
B-265	20-890	F-300-21	141-217	1610B	3/8 x 1/4	50
B-266	20-891	F-300-19	141-219	1611B	1/2 x 3/8	25
B-267	20-888	F-300-36	141-218	1617B	1/2 x 1/2	25



MALE BRANCH TEES						
Model		Cross Reference			Description	Std. Pack
	Robertshaw	Johnson	Siemens	Honeywell	"Left x "Right x "Top	
B-371	20-897	F-700-79	141-220	1600	1/4 x 1/4 x 1/8 MPT	25
B-372	20-905	F-700-63	-	1609BT	1/4 x 1/8 MPT x 1/4	100



FEMALE BRANCH TEE							
Model	Cross Reference				Description	Std. Pack	
	Robertshaw	Johnson	Siemens	Honeywell	"Left x "Right x "Top		
B-373	20-904	F-700-76	141-227	1614B	1/4 x 1/4 x 1/8 FPT	100	
B-373-1					1/4 x 1/4 x 1/8 FPT Drop Ear	10	



ORDERING INFORMATION

Sold in package quantities only Order quantity 1=1 package

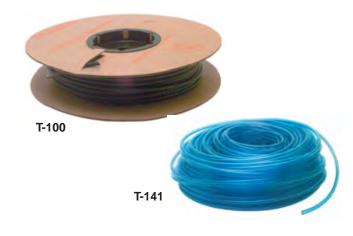
PNEUMATIC TUBING T-100 SERIES. T-141



DESCRIPTION

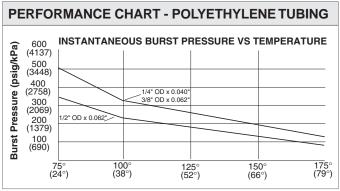
T-100 Series Pneumatic Tubing is a superior quality, flame-retardant, stress-crack resistant, exclusively compounded polyethylene tubing that provides long-term, reliable performance. This tubing is suitable for installation in air ducts, plenums, and other spaces used for environmental air.

The **Model T-141** is made of extremely flexible, clear-blue polyurethane that is not flame-retardant-rated and is used only for inside panels. It is kink-resistant, has an excellent memory, and features high compression strength and outstanding abrasive resistance.



FEATURES

- T100 SERIES POLYETHYLENE:
- Flexible and lightweight
- Flame retardant
- · High stress-crack resistance
- · Easy to handle and install
- · Resistant to ultraviolet breakdown
- Meets or exceeds every requirement for flame retardant polyethylene tubing set by the pneumatic controls industry
- · Numbering system for multitube identification
- Available with colored stripes



CAUTION: The polyethylene performance chart indicates short term burst pressures, not long term operating pressures, as indicated in laboratory testing. No representations of operating burst pressures are expressed or implied.

SPECIFICATIONS Shore A Hardness Specifications for T-100 Series ASTM Test D-1700; typical value 97 **Burst Pressure** T-100 Series ASTM Test D-1599; typical value **Shore D Hardness** ASTM Test D-1700; typical value 45 >500 psig (3,448 kPa) **T-141 only** 320 psig (2,206 kPa) @ 75°F (24°C) **Smoke Density** UL 1820; peak optical density 0.5, derated to 160 psig (1,103 kPa) @ maximum optical density 0.15 150°F (66°C) **Stress Crack Resistance Bending Modulus** ASTM Test D-747; typical value 3000 ASTM Test D-1693; typical value V psig ±5000 200 hours Flame Propagation UL 1820; typical value 0.5 Density ASTM Test D-792; typical value 1.1 ±0.005 g/cc **Tensile Strength** ASTM Test D-638; typical value **Elongation** ASTM Test D-638; typical value >2000 psig (13,790 kPa) 600% Water Absorption ASTM Test D-576: maximum value 5 Flammability Rating **Melt Index** ASTM Test D-1238; typical value 0.6 UL 94 V-2; UL 910 NFPA 90A ±0.1 g/10 min

kele.com

888-397-5353 USA

001-901-382-6084 International

Polyethylene Classification

ASTM Test D-1248; Type I, Class B

or C, Category 4



PNEUMATIC TUBING T-100 SERIES, T-141

DIMENS	IONS T100 SERIES		
Model	Description	Dimensions	Weight
T-100	5/32" OD black poly tubing, 1 coil, 500 ft (152 m)	0.156" OD, 0.096" ID, 0.030 Wall, 500 ft (152 m) coil	3.0 lb (1.4 kg) per coil
T-100-2	5/32" OD black poly tubing, twin, 1 coil, 500 ft (152 m)	0.156" OD, 0.096" ID, 0.030 Wall, 500 ft (152 m) coil	6.0 lb (2.8 kg) per coil
T-101	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-101-2	1/4" OD black poly tubing, twin, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	6.6 lb (3.0 kg) per coil
T-101-B	1/4" OD black with blue stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-101-G	1/4" OD black with green stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-101-O	1/4" OD black with orange stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-101-R	1/4" OD black with red stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-101-V	1/4" OD black with violet stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-101-W	1/4" OD black with white stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-101-Y	1/4" OD black with yellow stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 kg) per coil
T-110	3/8" OD black poly tubing, 1 coil, 250 ft (76 m)	0.375" OD, 0.250" ID, 0.062 Wall, 250 ft (76 m) coil	7.6 lb (3.4 kg) per coil
T-130	1/2" OD black poly tubing, 1 coil, 250 ft (76 m)	0.500" OD, 0.375" ID, 0.062 Wall, 250 ft (76 m) coil	10.6 lb (4.8 kg) per coil
T-141	1/4" OD clear blue poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.159" ID, 0.045 Wall, 250 ft (76 m) coil	7.2 lb (3.3 kg) per coil

ORDERING INFORMATION

Model T-100	Description 5/32" OD black poly tubing, 1 coil, 500 ft (152 m)
T-100-2	5/32" OD black poly tubing, twin, 1 coil, 500 ft (152 m)
T-101	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)
T-101-2	1/4" OD black poly tubing, twin, 1 coil, 250 ft (76 m)
T-101-B	1/4" OD black with blue stripe poly tubing, 1 coil, 250 ft (76 m)
T-101-G	1/4" OD black with green stripe poly tubing, 1 coil, 250 ft (76 m)
T-101-O	1/4" OD black with orange stripe poly tubing, 1 coil, 250 ft (76 m)
T-101-R	1/4" OD black with red stripe poly tubing, 1 coil, 250 ft (76 m)
T-101-V	1/4" OD black with violet stripe poly tubing, 1 coil, 250 ft (76 m)
T-101-W	1/4" OD black with white stripe poly tubing, 1 coil, 250 ft (76 m)
T-101-Y	1/4" OD black with yellow stripe poly tubing, 1 coil, 250 ft (76 m)
T-110	3/8" OD black poly tubing, 1 coil, 250 ft (76 m)
T-130	1/2" OD black poly tubing, 1 coil, 250 ft (76 m)
T-141	1/4" OD clear blue poly tubing, 1 coil, 250 ft (76 m)

EFFICIENCY WINS BIDS. KELE PROVIDES EFFICIENCY.

Your time is precious, so we work hard to make your job easier.



Expert technical support

When you're working against a deadline to come up with a winning bid, or need help with an application, count on unparalleled Kele support to help you find the right products, right now—by phone and online.



Huge in-stock inventory

Need it as soon as tomorrow? No problem. We stock an unbeatable selection of building automation products, because we want to be the source you can rely on to fill entire orders.



In-house custom panel shop plus custom calibration and tagging

Get custom-built, assembled UL-listed panels from our UL-approved panel shop. We make it easy for you to save time by using our custom calibration and tagging services. We even offer engraving and custom valve assembly services at no extra charge—often shipped the very same day.



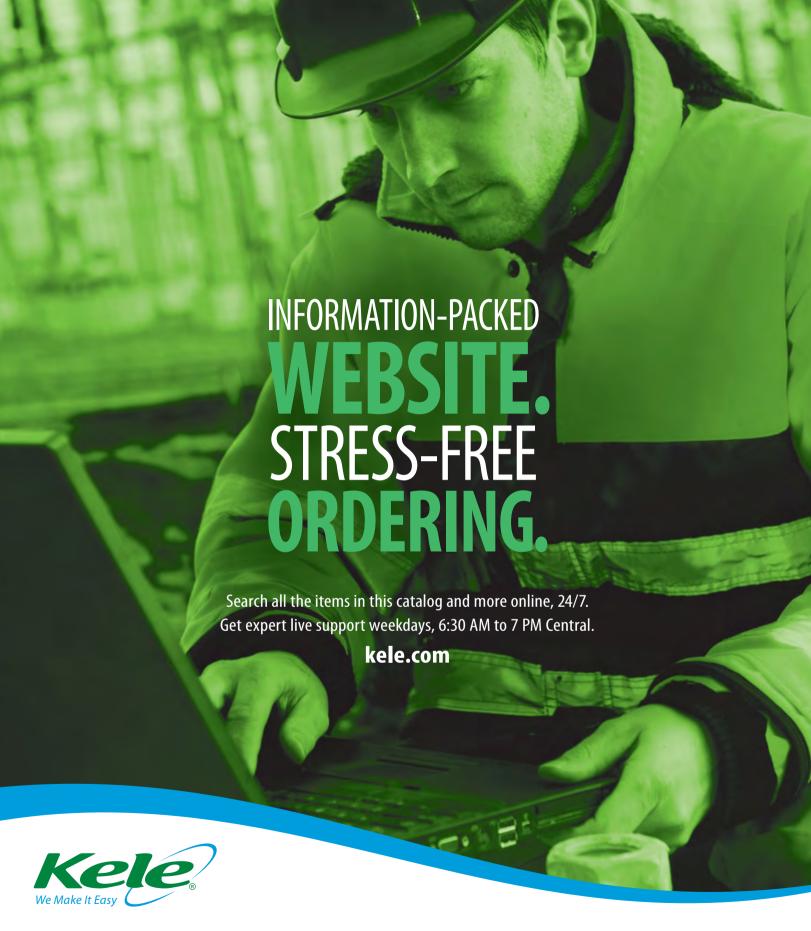
Comprehensive web site with tools to help you get the job done right

Kele.com offers big advantages. You can access technical reference information, search our well-organized product inventory, and simplify ordering, purchasing, and shipping—with live chat support to answer your specific questions. It's more efficient, and that makes you more efficient. Got an iPhone or iPad? Look for our helpful mobile device apps and tools.



Got a special request? Done.

If you need something you don't see in our catalog or online at Kele.com, we'll get it. When you place your order, simply ask your salesperson or use our convenient online chat to inquire about your special requests. We're here to help.



Headquarters

3300 Brother Boulevard Memphis, TN 38133

Singapore Office

48 MacTaggart Road #11-01 Singapore, 368088 (65) 6282-9120 888-397-KELE (5353) kele.com