SERIES D16, P16, L16 SWITCHES

PUSHBUTTON SWITCHES - ILLUMINATED



SPECIFICATIONS

Contact Rating:	5A@250 VAC-UL, VDE 8A@125 VAC - UL, CSA 6A@24 VDC - UL, CSA
Life Expectancy (Mechanical):	100,000 cycles
Life Expectancy (Electrical):	50,000 cycles
Contact Resistance:	100mΩ max. typical; initial @ 2-4 VDC
Insulation Resistance:	> 1,000MΩ
Dielectric Strength:	> 1,500 volts 1 minute > 3,000 volts between poles
Actuation Force:	300g/pole
Operating Temperature:	-20°C to 55°C

FEATURES & BENEFITS

- Modular interface/contact block design
- Robust product for industrial applications
- Attractive front panel design
- Illuminated options available

APPLICATIONS/MARKETS

- Industrial controls
- Instrumentation
- Transportation
- Telecommunications

MATERIALS

Switch Housing:	Polyetherimide (PEI)
Contact Housing:	Diallyl Phthalate (DAP)
Lens:	Polycarbonate (PC)
Contacts:	Silver plated copper alloy
Terminals:	Silver plated copper alloy

HOW TO ORDER

SERIES
- D16 = Solder Lug
- P16 = Socket
- L16 = Pilot Indicator

MECHANICAL CONFIGURATION
- EE = Latching
- OA = Momentary
- PL* = Pilot Indicator

*For L16 (Pilot Indicator)

PUSHBUTTON HEAD
- S1
- S2
- T1
- T2
- R*
- R1

*R (Mushroom Head) Available for D16 & P16 Only.

CIRCUIT
- 0* = Pilot Ind.
- 1**= SPDT
- 2 = DPDT
- 3 = 3PDT
- 4 = 4PDT

*For L16 only (Pilot Indicator)

**P16 available SPDT only

LAMP TYPE & VOLTAGE
- 0 = None
- A
- B
- C
- F — Red / Grn
- G
- H — Red / Grn / Yel
- J
- K
- M
- N
- L
- D
- E

LAMP COLOR (WHERE APPLICABLE)

LENS COLOR
- RED = Red
- GRN = Green
- BLU = Blue*
- WHT = White*
- ORG = Orange*
- YEL = Yellow*

*Not Available For 'R' Mushroom Head.

Example Ordering Number

D16–EE–R1–3–A–BLU

Specifications subject to change without notice.

E•SWITCH®
Phone: 800-867-2717
Fax: 763-531-8235

SERIES D16 SWITCHES

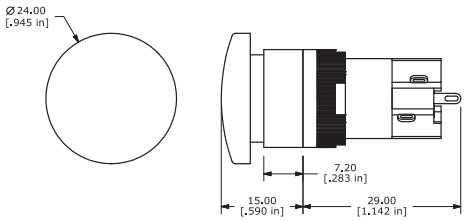
PUSHBUTTON SWITCHES - ILLUMINATED

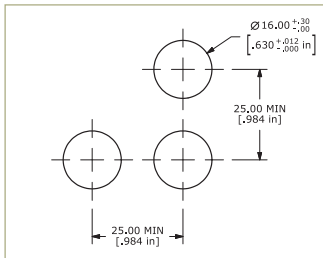
D16 (SOLDER LUG)

R

MUSHROOM







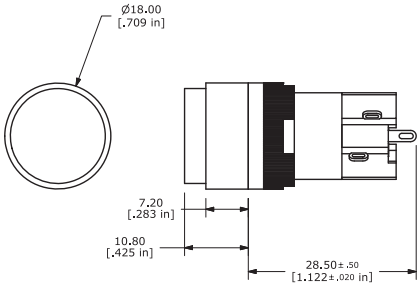
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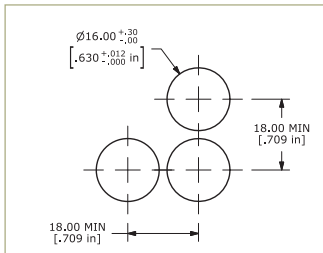
D16 (SOLDER LUG)

R1

ROUND







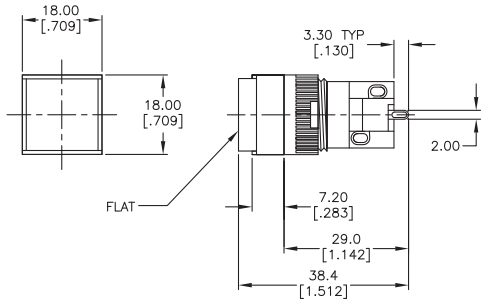
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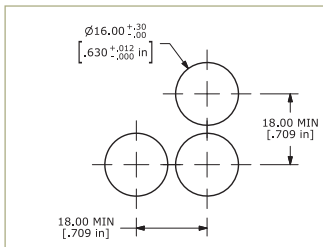
D16 (SOLDER LUG)

S1

SQUARE







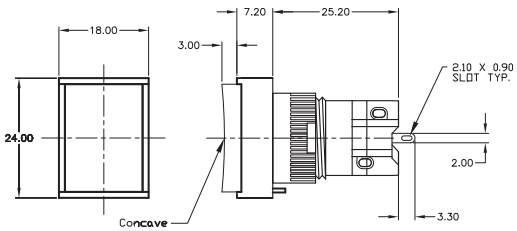
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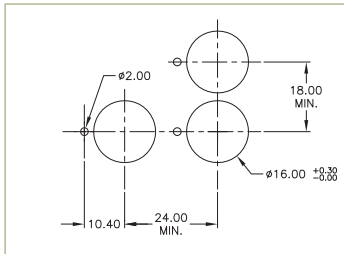
D16 (SOLDER LUG)

T1

RECTANGULAR

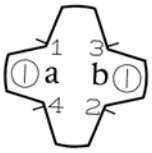




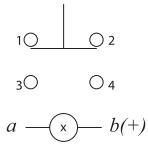


PANEL MOUNTING

BOTTOM VIEW



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MOUNTING LENGTH

	Mounting Length (A)
SPDT	29.0 mm
DPDT	36.5 mm
3PDT	44.0 mm
4PDT	51.5 mm

SERIES P16 SWITCHES

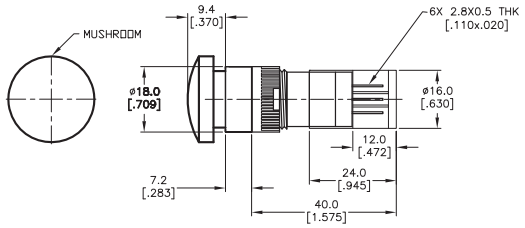
PUSHBUTTON SWITCHES - ILLUMINATED

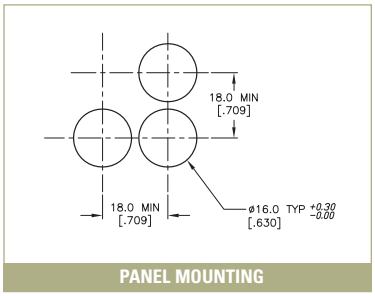
P16 (SOCKET)

R

MUSHROOM







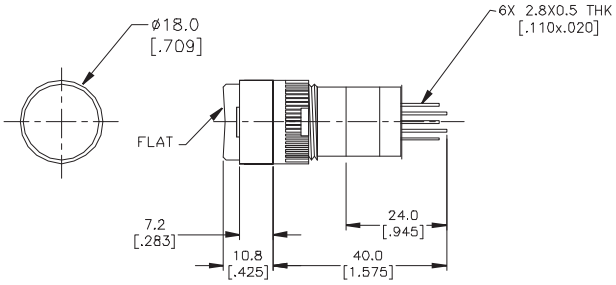
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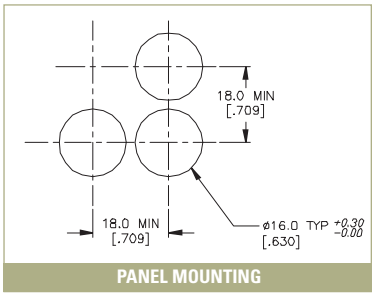
P16 (SOCKET)

R1

ROUND







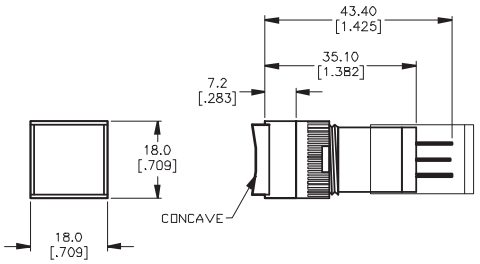
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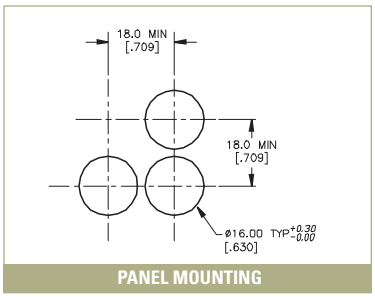
P16 (SOCKET)

S1

SQUARE







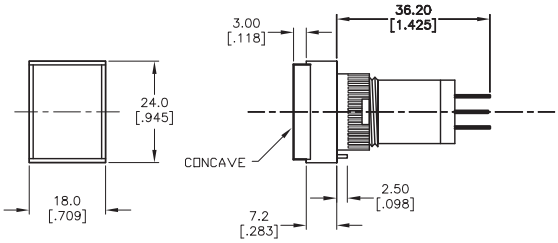
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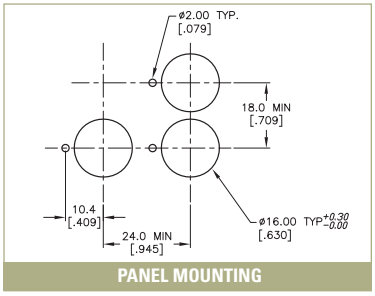
P16 (SOCKET)

T1

RECTANGULAR

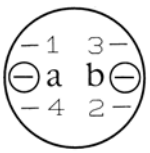




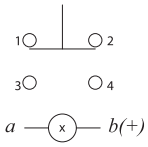


PANEL MOUNTING

BOTTOM VIEW



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SERIES L16 SWITCHES

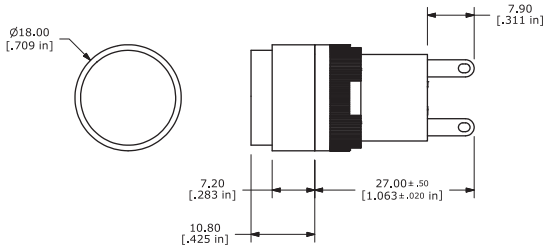
PUSHBUTTON SWITCHES - ILLUMINATED

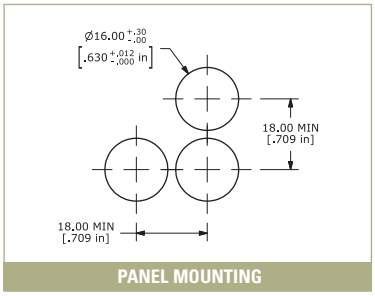
L16 (PILOT INDICATOR)

R1

ROUND







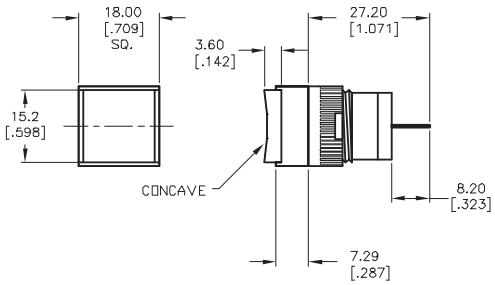
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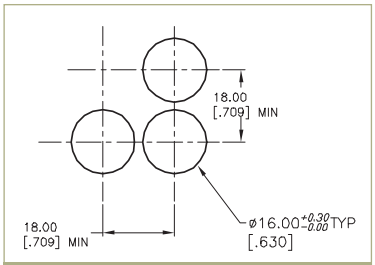
L16 (PILOT INDICATOR)

S1

SQUARE







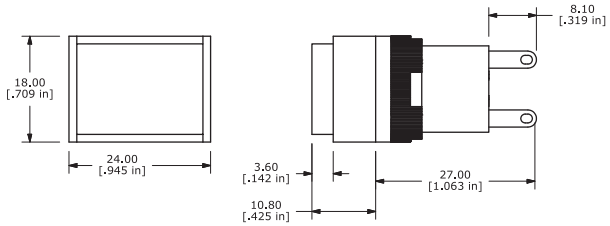
PANEL MOUNTING

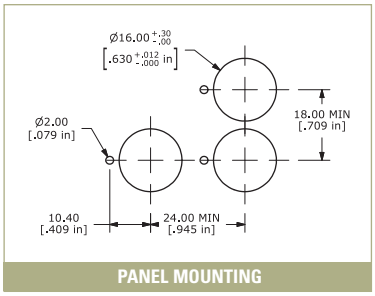
L16 (PILOT INDICATOR)

T1

RECTANGULAR

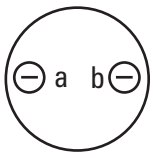




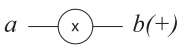


PANEL MOUNTING

BOTTOM VIEW



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SERIES D16, P16, L16 SWITCHES

PUSHBUTTON SWITCHES - ILLUMINATED

MECHANICAL CONFIGURATION & CIRCUIT OPTIONS

0 PILOT INDICATOR

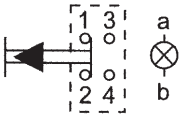
Available 'L16' Pilot Indicator Type



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1 SPDT**

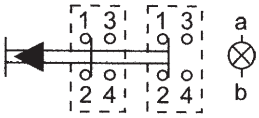
Available for 'P16' Socket Type and 'D16' Solder Lug



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2 DPDT

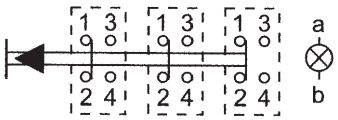
Available for 'D16' Solder Lug



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3 3PDT

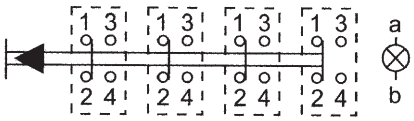
Available for 'D16' Solder Lug



SCHEMATIC

4 4PDT

Available for 'D16' Solder Lug



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Mechanical Configuration Code	
EE	Latching
OA	Momentary
PL	Pilot Indicator*

*'L16' Series only

LAMP TYPE & VOLTAGE OPTIONS

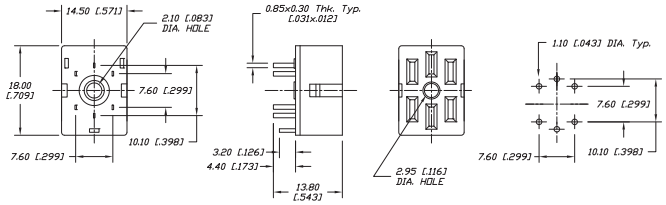
ILLUSTRATION	CATEGORY	DESCRIPTION	COLOR	PART NO.
	Incandescent	A = 6V AC/DC 200 mA B = 14V AC/DC 80 mA C = 28V AC/DC 40 mA D = 48V AC/DC 25 mA E = 60V AC/DC 20 mA L = 33V AC/DC 35 mA N = 14V AC/DC 40 mA M = 6V AC/DC 40 mA	Not Applicable	50-004-02 50-004-04 50-004-05 50-004-06 50-004-07 50-004-08 50-004-03 50-004-01
	Neon	F = 110V AC	green red	50-004-11 50-004-12
		G = 220V AC	green red	50-004-13 50-004-14
	LED	H = 6V DC	green red yellow	50-004-16 50-004-17 50-004-18
		J = 12V DC	green red yellow	50-004-19 50-004-20 50-004-21
		K = 24V DC	green red yellow	50-004-22 50-004-23 50-004-24

E•SWITCH®
Phone: 800-867-2717
Fax: 763-531-8235

ILLUSTRATION		STYLE	SHAPE	COLOR	PART NO.
	Available Color Lens (Acrylic Resin)	Round	Concave	blue green orange red white yellow	50-001-01 50-001-02 50-001-03 50-001-04 50-001-05 50-001-06
		Rectangular	Concave	blue green orange red white yellow	50-002-01 50-002-02 50-002-03 50-002-04 50-002-05 50-002-06
		Square	Concave	blue green orange red white yellow	50-003-01 50-003-02 50-003-03 50-003-04 50-003-05 50-003-06
		Mushroom Head	Convex	green red	50-012-01 50-012-02
		Round	Flat	blue green orange red white yellow	50-001-11 50-001-12 50-001-13 50-001-14 50-001-15 50-001-16
		Rectangular	Flat	blue green orange red white yellow	50-002-11 50-002-12 50-002-13 50-002-14 50-002-15 50-002-16
		Square	Flat	blue green orange red white yellow	50-003-11 50-003-12 50-003-13 50-003-14 50-003-15 50-003-16

SERIES D16, P16, L16 SWITCHES

PUSHBUTTON SWITCHES - ILLUMINATED

ILLUSTRATION	CATEGORY	DESCRIPTION	PART NO.
	Lamp Extractor * Also available for LA Series	Lamp removing tool	50-005-01
	Blanking Plate Block	PVC stopper to stuff the superfluous hole of the panel board	50-013-01
	Connector * Also available for LA Series	Insulation Socket 2.8 x 0.5 mm	50-014-01
	PCB Mounting Socket 		50-015-01
	Mounting Wrench * Also available for LA Series	Use this for tightening the switch in the mounting hole	50-006-01
	Lens Removing Tool	Use this for replacing the fitted color lens	50-007-01
	Spray Cover	Meets requirement of IP65, two pieces of transparent plastic, rectangular head	50-010-01
	Protection Cap	To avoid faulty operation, housing for locking, transparent For square head (90°) For square head (180°) For rectangular head (90°) For rectangular head (180°)	 50-011-01 50-011-11 50-011-02 50-011-12