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
- G
- H
- J
- K
- M
- N
- L
- D
- E

LAMP COLOR (WHERE APPLICABLE)
- F, G: Red, Grn
- H, J, K: Red, Grn, Yel

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

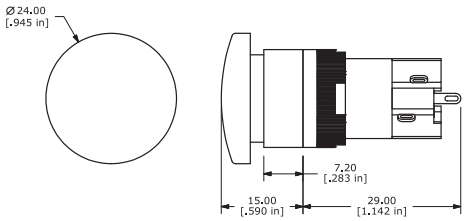
SERIES D16 SWITCHES

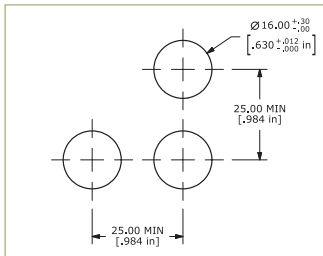
PUSHBUTTON SWITCHES - ILLUMINATED

D16 (SOLDER LUG)

R

MUSHROOM



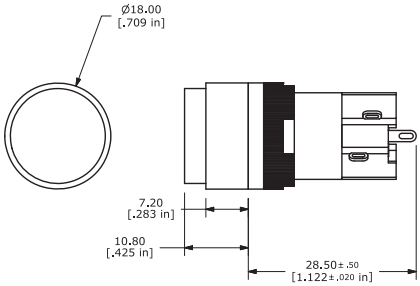


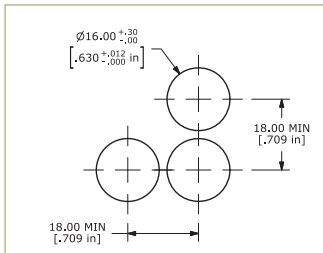
PANEL MOUNTING

D16 (SOLDER LUG)

R1

ROUND



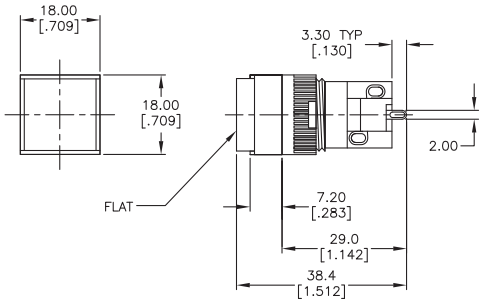


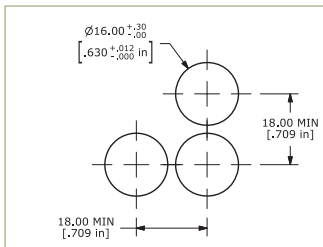
PANEL MOUNTING

D16 (SOLDER LUG)

S1

SQUARE



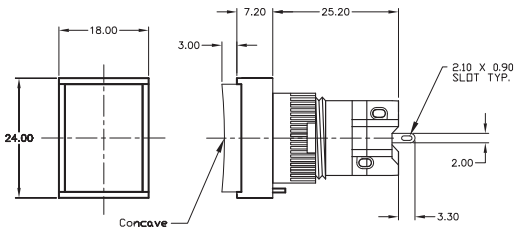


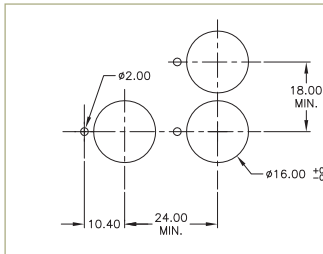
PANEL MOUNTING

D16 (SOLDER LUG)

T1

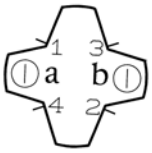
RECTANGULAR



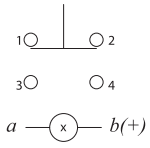


PANEL MOUNTING

BOTTOM VIEW



SCHEMATIC



MOUNTING LENGTH

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

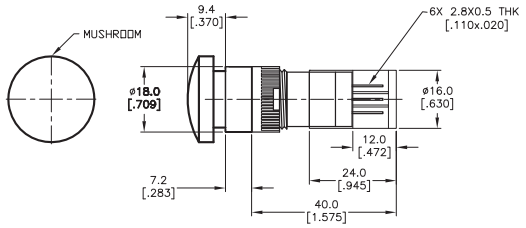
SERIES P16 SWITCHES

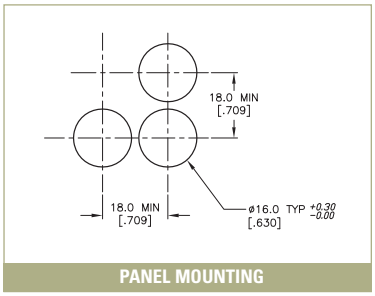
PUSHBUTTON SWITCHES - ILLUMINATED

P16 (SOCKET)

R

MUSHROOM



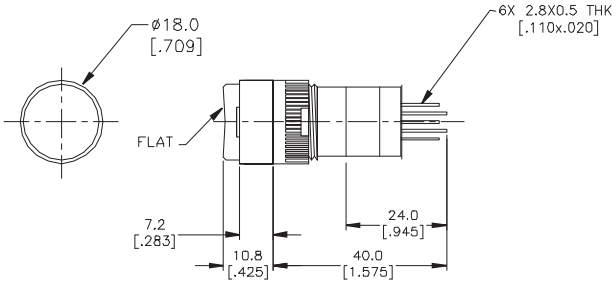


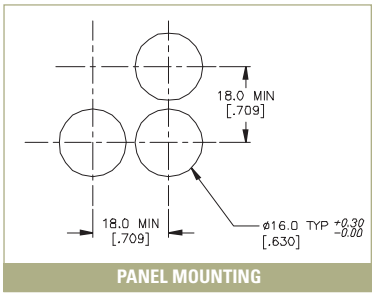
PANEL MOUNTING

P16 (SOCKET)

R1

ROUND



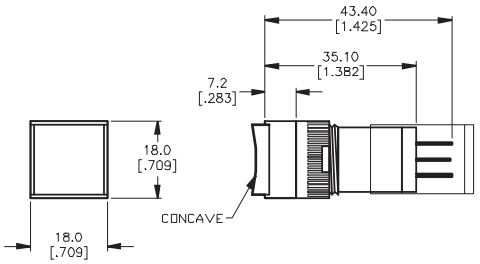


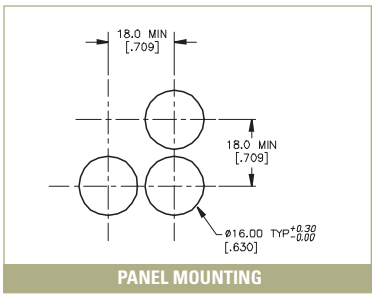
PANEL MOUNTING

P16 (SOCKET)

S1

SQUARE



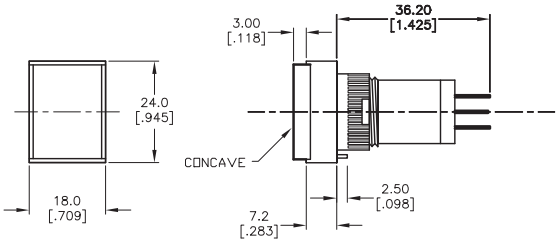


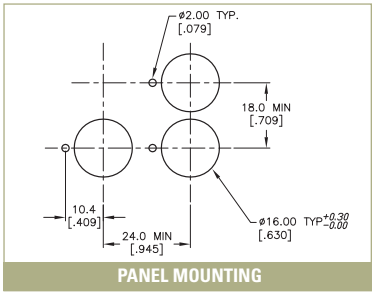
PANEL MOUNTING

P16 (SOCKET)

T1

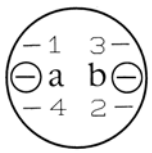
RECTANGULAR



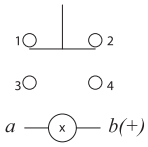


PANEL MOUNTING

BOTTOM VIEW



SCHEMATIC



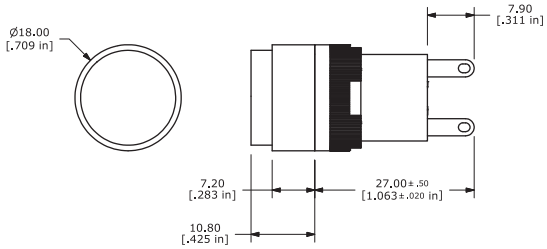
SERIES L16 SWITCHES

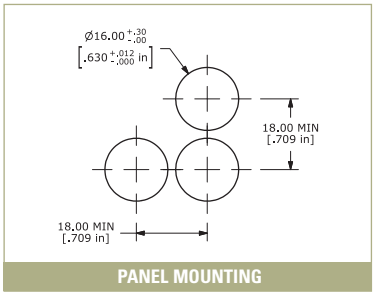
PUSHBUTTON SWITCHES - ILLUMINATED

L16 (PILOT INDICATOR)

R1

ROUND



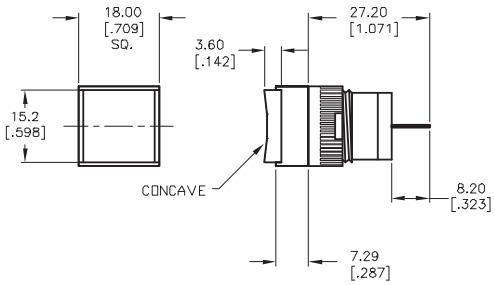


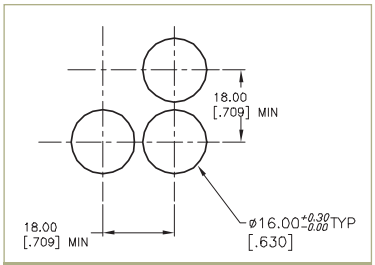
PANEL MOUNTING

L16 (PILOT INDICATOR)

S1

SQUARE



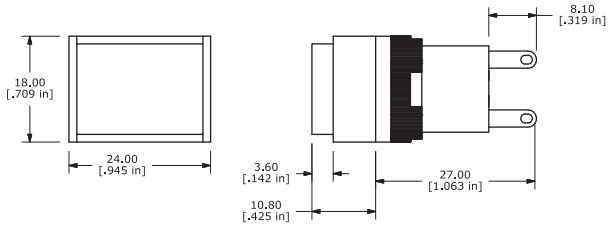


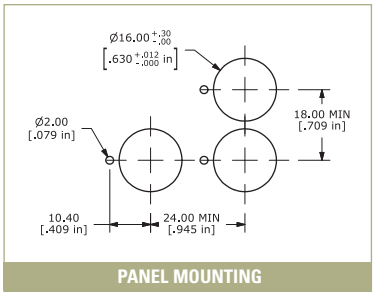
PANEL MOUNTING

L16 (PILOT INDICATOR)

T1

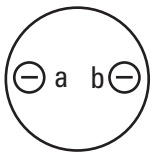
RECTANGULAR



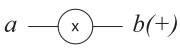


PANEL MOUNTING

BOTTOM VIEW



SCHEMATIC



SERIES D16, P16, L16 SWITCHES

PUSHBUTTON SWITCHES - ILLUMINATED

MECHANICAL CONFIGURATION & CIRCUIT OPTIONS

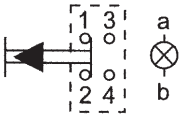
0 PILOT INDICATOR

Available 'L16' Pilot Indicator Type

SCHEMATIC

1 SPDT**

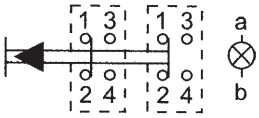
Available for 'P16' Socket Type and 'D16' Solder Lug



SCHEMATIC

2 DPDT

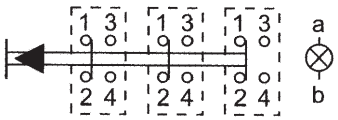
Available for 'D16' Solder Lug



SCHEMATIC

3 3PDT

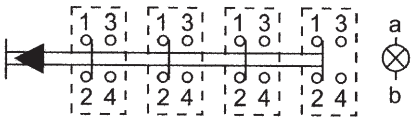
Available for 'D16' Solder Lug



SCHEMATIC

4 4PDT

Available for 'D16' Solder Lug



SCHEMATIC

Mechanical Configuration Code	
EE	Latching
OA	Momentary
PL	Pilot Indicator*

*'L16' Series only

LAMP TYPE & VOLTAGE OPTIONS

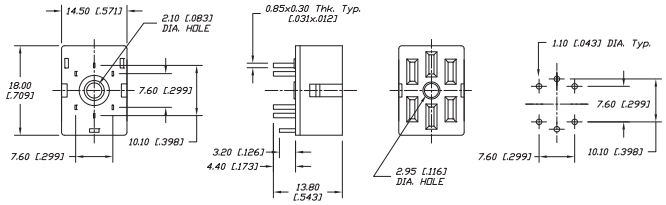
ILLUSTRATION	CATEGORY	DESCRIPTION	COLOR	PART NO.
	Incandescent	A = 6V AC/DC 200 mA B = 14V AC/DC 80 mA C = 28V AC/DC 40 mA D = 48V AC/DC 25 mA E = 60V AC/DC 20 mA L = 33V AC/DC 35 mA N = 14V AC/DC 40 mA M = 6V AC/DC 40 mA	Not Applicable	50-004-02 50-004-04 50-004-05 50-004-06 50-004-07 50-004-08 50-004-03 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

LifeElectronics
Живое партнерство

ООО «ЛайфЭлектроникс» **“LifeElectronics” LLC**

ИНН 7805602321 КПП 780501001 Р/С 40702810122510004610 ФАКБ "АБСОЛЮТ БАНК" (ЗАО) в г.Санкт-Петербурге К/С 30101810900000000703 БИК 044030703

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- *Конкурентоспособные цены и скидки постоянным клиентам.*
- *Специальные условия для постоянных клиентов.*
- *Подбор аналогов.*
- *Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.*

- *Приемлемые сроки поставки, возможна ускоренная поставка.*
- *Доставку товара в любую точку России и стран СНГ.*
- *Комплексную поставку.*
- *Работу по проектам и поставку образцов.*
- *Формирование склада под заказчика.*

- *Сертификаты соответствия на поставляемую продукцию (по желанию клиента).*
- *Тестирование поставляемой продукции.*
- *Поставку компонентов, требующих военную и космическую приемку.*
- *Входной контроль качества.*
- *Наличие сертификата ISO.*

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- *Регистрацию проекта у производителя компонентов.*
- *Техническую поддержку проекта.*
- *Защиту от снятия компонента с производства.*
- *Оценку стоимости проекта по компонентам.*
- *Изготовление тестовой платы монтаж и пусконаладочные работы.*

Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru

www.lifeelectronics.ru