



SPECIFICATIONS

Ratings:	50mA @ 24 VDC
Contact Resistance:	30mΩ max., initial @ 2-4 VDC, 100mA
Insulation Resistance:	1,000MΩ min.
Dielectric Strength:	1,000 V rms at sea level
Actuation Force:	200 ± 50 gf
Operating Temperature:	-25°C to 75°C

MATERIALS

Housing:	6/6 Nylon
Actuator:	Acetal
Cover:	6/6 Nylon
Terminals / Contacts:	Silver or gold plated copper alloy
Spring:	Steel
Latching Pin:	Steel

HOW TO ORDER

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Series	Mechanical Configuration	Contact Material	Cap Style	Cap Color	Cover Style (Rect. Cap Only)	Cover Color (Rect. Cap Only)	LED Position (E1/E2 Only)	LED Color (E1/E2 Only)
420								
	OA= Momentary EE= Latching	0=Silver 3=Gold	A=Large Square* B= Small Rectangular	BLK GRY YEL BLU RED ORG GRN WHT AMB	SS= Std. Cover ES= Extended Cover E1= Extended With 1 LED E2= Extended With 2 LEDs	BLK GRY YEL BLU RED ORG GRN WHT AMB	VT (Denotes Top LED)* VB (Denotes Bottom LED)*	YEL RED GRN
*If Square Cap is chosen (A), the part number will be complete upon choice of cap color. (See example below)				*If E1 Cover Style, customer need only specify "VT" LED color. If E2 Cover Style, customer must specify both "VT" and "VB" LED color.				

EXAMPLE

420

→

OA

→

0

→

B

→

WHT

→

E2

→

BLK

→

VT

→

YEL

420

→

OA

→

3

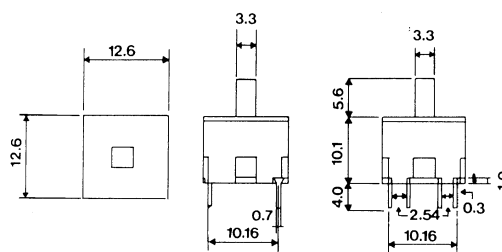
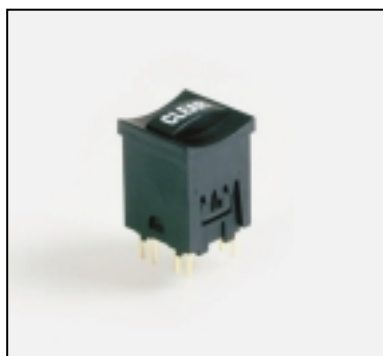
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A

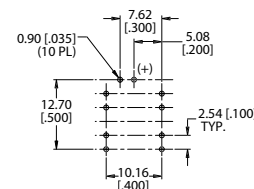
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BLU

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



P.C. MOUNTING



Schematic

CIRCUIT	OPEN	CLOSED
DPDT		
DPDT Normally open		
DPDT Normally Closed		

PUSHBUTTON SWITCHES

LED Characteristics		RED		GREEN		YELLOW		UNITS
LED PARAMETERS	SYMBOL	MAX. MIN.	TYP.	MAX. MIN.	TYP.	MAX. MIN.	TYP.	
POWER DISSIPATION	P_D	80	-	100	-	100	-	mW
AVE FORWARD CURRENT	I_F	30	-	30	-	30	-	mA
PEAK FORWARD CURRENT	I_{PF}	80	-	120	-	80	-	mA
REVERSE VOLTAGE	V_R	5	-	5	-	5	-	V
FORWARD VOLTAGE	F_V	2.8 1.9	2.2	2.5 1.9	2.2	2.8 1.8	2.1	V
PEAK EMISSION WAVELENGTH	I_D	-	695	-	570	-	590	nm
REVERSE CURRENT	I_R	100	-	100	-	100	-	A
LUMINOUS INTENSITY	I_V	-	2.2	-	15.0	-	12.0	mcd
		0.7		6.0		5.0		
OPERATING TEMPERATURE RANGE: -20°C to +85°C								
STORAGE TEMPERATURE RANGE: -20°C to +85°C								

MECHANICAL CONFIGURATION

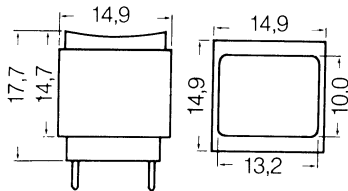
OA Momentary
EE Latching

CONTACT MATERIAL

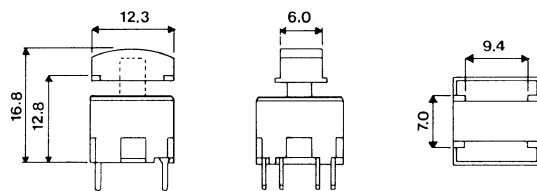
0 Silver
3 Gold

CAP STYLE OPTIONS

A Large Square Cap

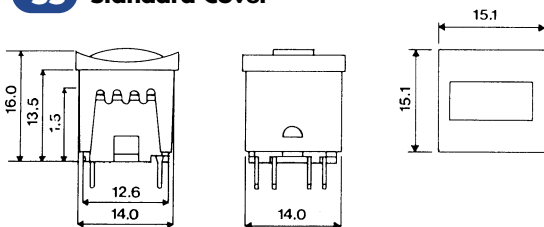


B Small Rectangular Cap

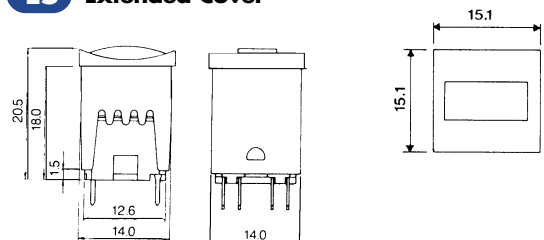


COVER STYLE OPTIONS (FOR RECTANGULAR CAP ONLY)

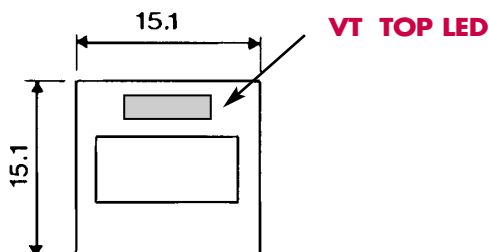
SS Standard Cover



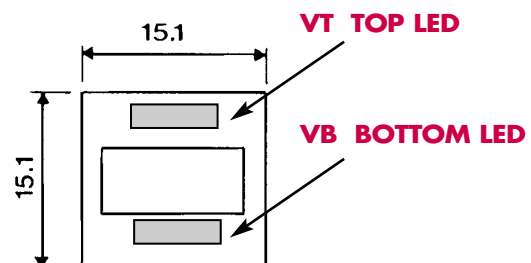
ES Extended Cover



E1 Extended Cover, 1LED



E2 Extended Cover, 2 LEDs



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