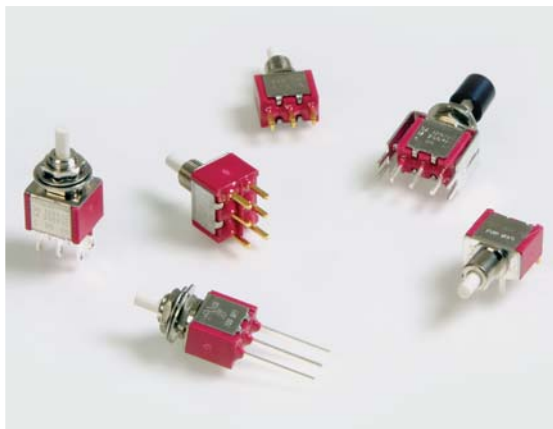


TACT
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESTOGGLE
SWITCHESROCKER
SWITCHESSLIDE
SWITCHESSNAP-ACTION
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESROTARY
SWITCHESDETECTOR
SWITCHESCAP
OPTIONS

SERIES 700 SWITCHES

PUSHBUTTON SWITCHES - SNAP-ACTING



FEATURES & BENEFITS

- ▶ Snap acting contact design
- ▶ Gold & silver contact options
- ▶ Multiple termination options
- ▶ Snap-in panel mount option

APPLICATIONS/MARKETS

- ▶ Telecommunications
- ▶ Networking
- ▶ Computers/servers
- ▶ Performance audio
- ▶ Instrumentation
- ▶ Low power on/off designs
- ▶ External hard drives and modems

SPECIFICATIONS

Contact Ratings:	1A @ 250 VAC 3A @ 120 VAC or 28 VDC
Life Expectancy:	50,000 cycles (Mechanical), 6,000 (Electrical)
Contact Resistance:	20mΩ max. typical @ 2-4 VDC 100mA for both silver and gold plated contacts
Insulation Resistance:	1,000 MΩ min.
Dielectric Strength:	1,000 V RMS @ sea level
Actuation Force:	DP7: 800 ± 200gf and SP7: 350 ± 150gf
Operating Temperature:	-40°C to +85°C
Travel:	1.20mm Typ

MATERIALS

Case:	DAP
Plunger:	Glass filled nylon or glass filled polyester
Bushing:	Nickel plated brass
Frame:	Stainless steel
Contacts:	Silver or Gold plated copper alloy



HOW TO ORDER

SERIES	MODEL NO.	BUSHING	TERMINATION	CONTACT MATERIAL	SEAL	HARDWARE	CAP	CAP COLOR
700								
	SP7 DP7	B10 B11 B20 B21	M1 VS2 M2 VS3 M51 VS4 M52 VS5 M53 M6 M7	Q = Silver R = Gold	E = Epoxy Sealed at Base of Terminal	H = Hardware	See Cap Options	



Example Ordering Number

700-DP7-B10-M1-Q-E-H-C1-BLK

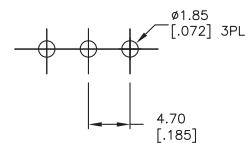
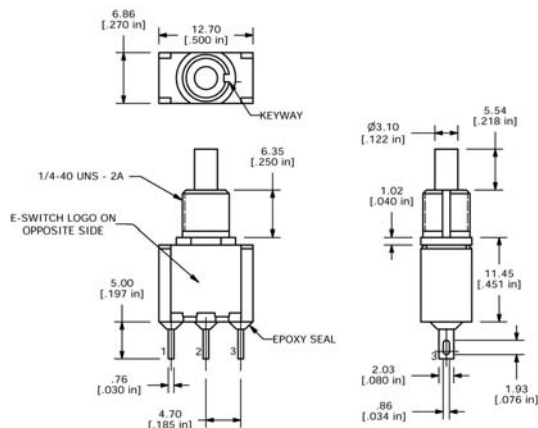
Specifications subject to change without notice. 7/17/2024

SPDT



Model No.	Type	
SP-7	ON	(ON)
Term. Comm	1-3	1-2

() = Momentary



P.C. MOUNTING



SCHEMATIC

CAP
OPTIONS

SCHEMATIC

P.C. MOUNTING

The technical drawing illustrates the P.C. mounting. The left side shows a schematic with four points labeled 1, 2, 3, and 4. Points 1 and 2 are connected by a dashed line, and points 3 and 4 are connected by a solid line. The right side shows a detailed view of the mounting with dimensions in millimeters (mm) and inches (in). The dimensions are: 5.08 [200 in] for the vertical distance from the center of the mounting to the center of the hole; 12.70 [500 in] for the horizontal distance between the center of the mounting and the center of the hole; 3.81 [150 in] for the vertical distance from the center of the mounting to the center of the hole; and 4.83 [190 in] for the vertical distance from the center of the mounting to the center of the hole. The hole diameter is specified as Ø1.85 [Ø73 in].

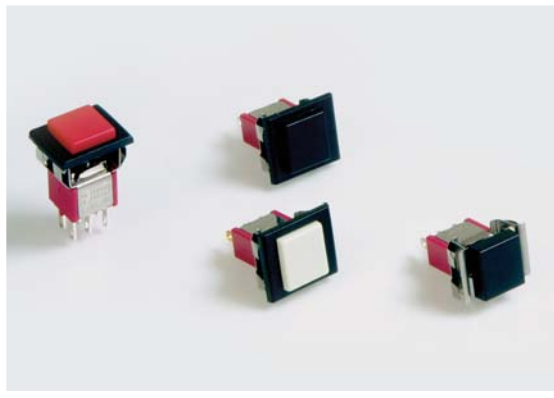
SCHEMATIC

P.C. MOUNTING

TACT
SWITCHESNAVIGATION
SWITCHESPUSHBUTTON
SWITCHESTOGGLE
SWITCHESROCKER
SWITCHESSLIDE
SWITCHESSNAP-ACTION
SWITCHESDIP
SWITCHESKEYLOCK
SWITCHESROTARY
SWITCHESDETECTOR
SWITCHESCAP
OPTIONS

SERIES 700 SWITCHES

PUSHBUTTON SWITCHES - SNAP-ACTING PANEL MOUNTED



FEATURES & BENEFITS

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APPLICATIONS/MARKETS

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- ▶ External hard drives and modems

SPECIFICATIONS

Contact Rating:	1A @ 250 VDC 3A @ 120 VDC or 28VDC
Life Expectancy:	50,000 cycles typical
Contact Resistance:	10mΩ max., typical @ 2-4 VDC, 100mA for both silver and gold plated contacts
Insulation Resistance:	1,000 MΩ min.
Dielectric Strength:	1,000 V rms at sea level
Actuation Force:	DP7: 800 ± 200gf and SP7: 350 ± 150gf
Operating Temperature:	-40°C to +85°C

MATERIALS

Case:	Diallyl Phthalate (DAP)
Plunger:	Glass filled nylon or glass filled polyester
Bushing:	Nickel plated brass
Housing:	Stainless steel
Contacts:	Silver or Gold plated copper alloy



HOW TO ORDER

SERIES	MODEL NO.	TERMINATION	CONTACT MATERIAL	SEAL	CAP/FRAME	CAP COLOR	FRAME COLOR
700	SP7 DP7	M1 M3	Q = Silver R = Gold	E = Epoxy Sealed at Base of Terminal	AP1 AP2	BLK = Black RED = Red GRY = Grey WHT = White	BLK = Black RED = Red GRY = Grey WHT = White



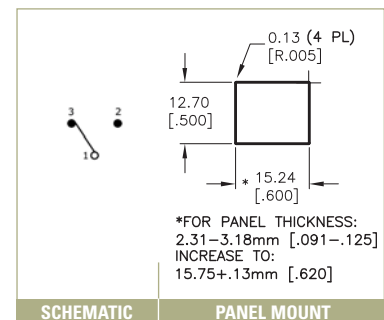
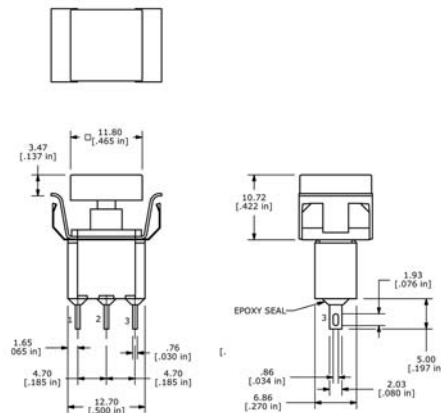
Example Ordering Number

700-DP7-M1-Q-E-AP1-RED-RED

Specifications subject to change without notice.

AP1

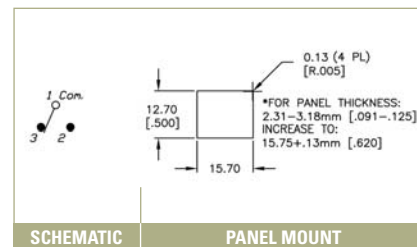
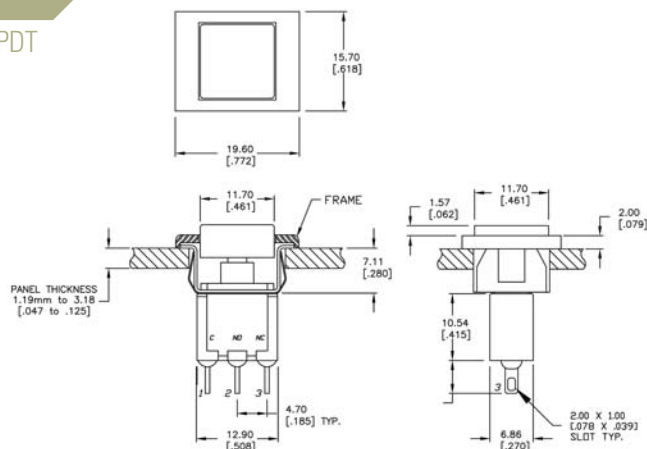
CAP/FRAME SPDT





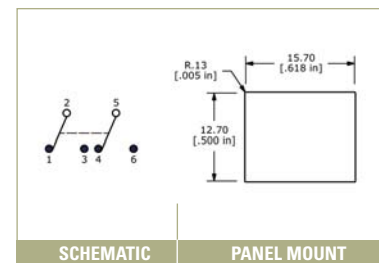
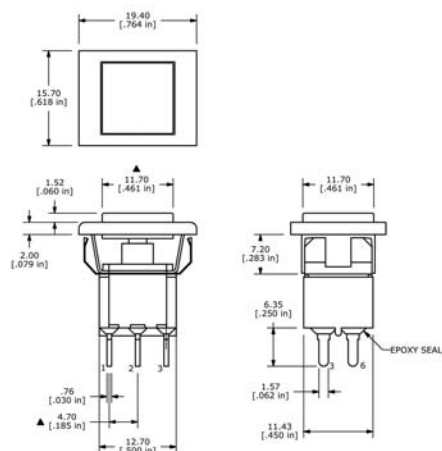
AP2

CAP/FRAME SPDT



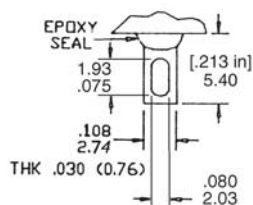
AP2

CAP/FRAME DPDT

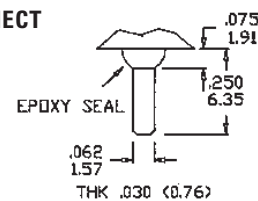


TERMINATION OPTIONS FOR PANEL MOUNT

M1 SOLDER LUG



M3 QUICK CONNECT



CONTACT MATERIAL OPTIONS

Q

Fixed Terminal:	Silver plated copper alloy
Moving Contact:	Silver plated copper alloy
Rating:	1 AMP @ 250 VAC 3 AMP @ 125 VAC or 28 VDC

R

Fixed Terminal:	Copper alloy with gold plate over nickel plate
Moving Contact:	Copper alloy with gold plate over nickel plate
Rating:	0.4 VA max. @ 20 VAC