Anti Vandal Pushbutton Switch
MPB1925 Series

multicomp PRO

RoHS Compliant

19mm

Specifications

Rating	: Ith 5A/250V AC Resistive Load 3A/250V AC
Contact Resistance	: 50mΩ max. @ 1A 12V DC (initial value)
Insulation Resistance	: 1,000MΩ min. at 500V DC
Dielectric Strength	: 2,000V RMS @ sea level
Operation Temperature	: -20°C to +55°C
Mechanical Life	: Momentary 1,000,000 Cycles Self-Lock 500,000 Cycles
Electrical Life	: 50,000 Make-And-Break Cycles At Full Load
Torque	: 5Nm to 14Nm
Operation Pressure	: 1Pole 2.5±1N / 2Poles 3.5±1N
Travel	: About 3.2mm
Ingress Protection	: IP67, [IK10(Stainless) - 19mm]

Materials

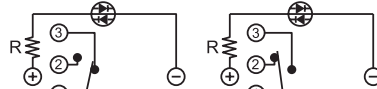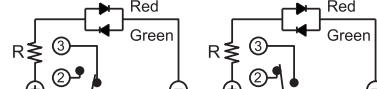|	
Bushing	: Stainless Steel / Brass / Aluminum Alloy
Base	: PBT (UL 94-V0) , PC(UL 94-V2)
Actuator	: PC(UL 94-V2) ; Stainless Steel Brass / Aluminium Alloy
Inner Assembly	: POM / PA66.
Spring	: Spring steel.
Sealing	: Silicone.
O-Ring	: Silicone.
Terminal	: Brass, Gold or Silver Plated
Contact	: Brass, Coin Silver, Gold Or Silver Plated
Hex Nut	: Nickel plated brass.

Single Pole

Without LED		Single Color LED		Dual Color LED	
Position 1	Position 2	Position 1	Position 2	Position 1	Position 2

Double Pole

Position 1	Position 2	Position 1	Position 2	Position 1	Position 2

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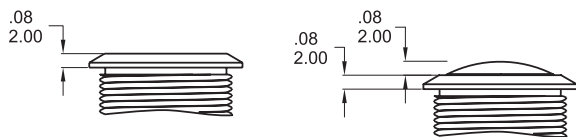
Anti Vandal Pushbutton Switch
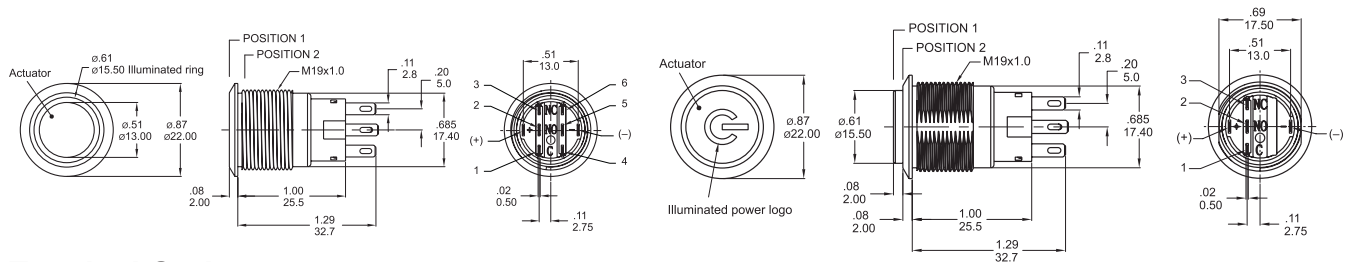## MPB1925 Series

19mm Pushbutton Switch Diagram

Body Options
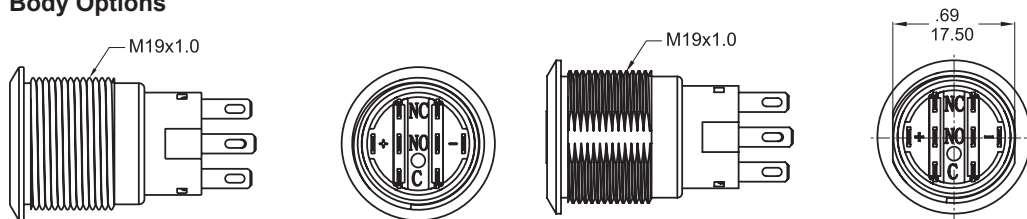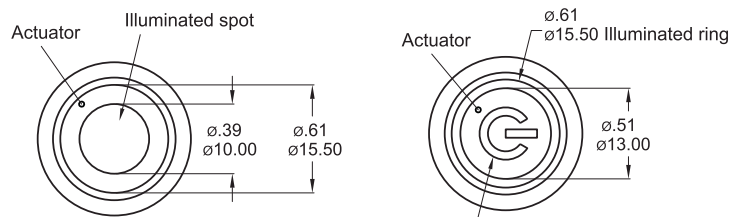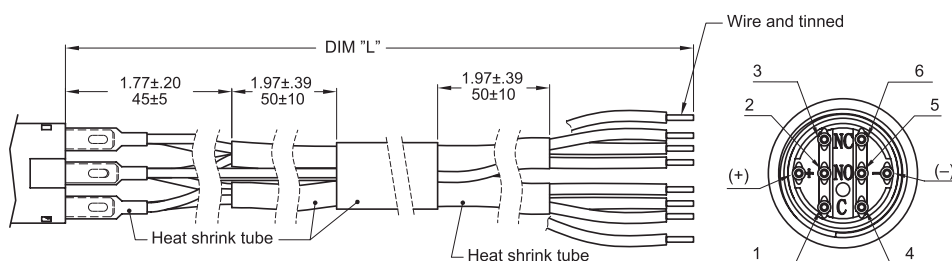
M19x1.0

M19x1.0
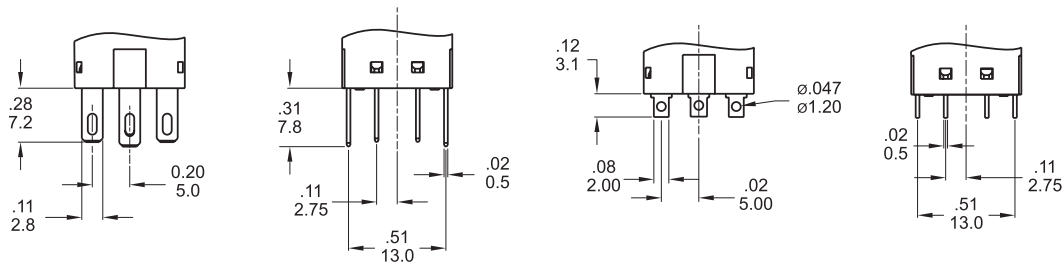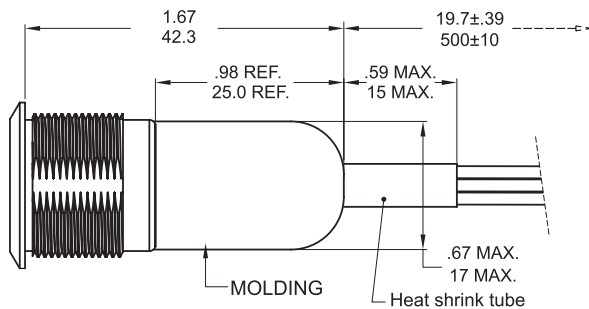
.69
17.50

Button Options

.08
2.00

.08
2.00

.08
2.00

Light Options

Actuator

Illuminated spot

ø.39
ø10.00

ø.61
ø15.50

Actuator

ø.61
ø15.50 Illuminated ring

ø.51
ø13.00

Actuator

ø.61
ø15.50 Illuminated ring

ø.51
ø13.00

ø.87
ø22.00

POSITION 1
POSITION 2
M19x1.0

.11
2.8

.20
5.0

.51
13.0

.685
17.40

.08
2.00

1.00
25.5

.02
0.50

.11
2.75

1.29
32.7

3 2 1 6 5 4
(+) (−)

Actuator

ø.87
ø22.00

ø.61
ø15.50

Illuminated power logo

POSITION 1
POSITION 2
M19x1.0

.11
2.8

.20
5.0

.685
17.40

.08
2.00

.08
2.00

1.00
25.5

1.29
32.7

.69
17.50

.51
13.0

3 2 1
(+) (−)

.02
0.50

.11
2.75

Terminal Options

.28
7.2

.11
2.8

0.20
5.0

.31
7.8

.11
2.75

.51
13.0

.02
0.5

.12
3.1

.08
2.00

.02
5.00

ø.047
ø1.20

.02
0.5

.51
13.0

.11
2.75

Wire Options

DIM "L"

Wire and tinned

1.77±.20
45±5

1.97±.39
50±10

1.97±.39
50±10

Heat shrink tube

Heat shrink tube

3 2 1 6 5 4
(+) (−)

Dimensions : Millimetres

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Anti Vandal Pushbutton Switch
MPB1925 Series

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Panel Mounting

1.67 / 42.3

.98 REF. / 25.0 REF.

.59 MAX. / 15 MAX.

19.7±.39 / 500±10

MOLDING

Heat shrink tube

.67 MAX. / 17 MAX.

ø.748 $^{+.008}_{-.0}$
ø19.00 $^{+0.20}_{-0}$

Round

.693 $^{+.008}_{-.0}$
17.60 $^{+0.20}_{-0}$

ø.748 $^{+.008}_{-.0}$
ø19.00 $^{+0.20}_{-0}$

Double flat
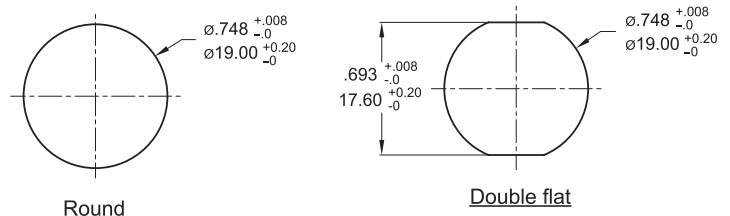
Dimensions : Millimetres

Part Number Explanation

SERIES NO. — BODY TYPE — BUTTON TYPE — CONTACT CONFIGURATION — OPERATING TYPE — LIGHT TYPE — LED COLOR — LED VOLTAGE — TERMINAL TYPE & WIRE — TERMINAL PLATED

MPB19

SERIES NO.

BODY TYPE

Round
A0 Stainless (Natural)(std)
B1 Brass (Mirror Chrome Plated)
B2 Brass (Nikel Plated)
C3 Al alloy (Black Anodized)(std)

Double flat
D0 Stainless (Natural)(std)
E1 Brass (Mirror Chrome Plated)
E2 Brass (Nikel Plated)
F3 Al alloy (Black Anodized)(std)

▲Note: Our standard is with stainless steel and aluminum body.

BUTTON TYPE
F Flat (std)
H High ＊
R Round ＊＊

CONTACT CONFIGURATION
1 1NO 1NC
2 2NO 2NC

OPERATING TYPE
0 Momentary
1 Lock

LIGHT TYPE
0 Without LED
R Ring (Fixed)
D Spot ＊＊＊
E Ring (Moveable) ＊＊＊
E1 Ring (Moveable) +Power logo ＊＊
E2 Ring (Moveable) ＊＊＊
E3 Ring (Moveable) +Power logo ＊＊＊＊
P Power logo ＊＊＊＊
E1 Ring (Moveable) +Power logo ＊＊＊＊

▲Note: Our standard option is flat button.

ITEM NO	COLOR
Single Color LED	
0	Without LED
1	White
3	Red
5	Yellow
6	Green
7	Blue
Dual Color LED	
A	Red+Green
B	Red+Blue
D	Blue+Yellow
G	Red+Yellow
H	Green+Yellow
J	Orange+Green
P	Blue+Green

＊＊＊＊＊

LED VOLTAGE

LED Voltage (20mA)

ITEM NO	VOLTAGE
0	Without Resistor
3	3V
6	6V
12	12V
24	24V
36	36V
110	110V
220	220V

TERMINAL TYPE & WIRE
J Solder terminal(std)
S Short solder terminal
T1 Flying lead terminals 500mm wire leads 18 AWG
T2 Flying lead terminals 1000mm wire leads 18 AWG
T3 Flying lead terminals 1500mm wire leads 18 AWG
T4 Flying lead terminals 2000mm wire leads 18 AWG
D1 Molding 500mm wire leads 18 AWG

TERMINAL PLATED
Q Silver
R Gold
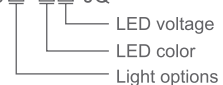
＊   For light type 0, R, D and P only.
＊＊   Standard is without LED and only available with stainless steel body.
＊＊＊   For button type F only.
＊＊＊＊ Light type P and E1 is only available with D0 and F3 body type.
＊＊＊＊＊ For other colors information please consult sales representative.

EXAMPLE:
MPB19-A0F100-JQ (Without LED)

MPB19-A0F10☐-☐☐-JQ
　　　　　　　　　　 LED voltage
　　　　　　　　　　 LED color
　　　　　　　　　　 Light options

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Part Number Table

Description	Part Number
Anti Vandal Push Button Switch, 12V, Latching, Double Pole, Green LED	MPB19-A0F21R-612-T1Q
Anti Vandal Push Button Switch, 12V, Momentary, Single Pole, Red LED	MPB19-A0F10R-312-T1Q
Anti Vandal Push Button Switch, 12V, Momentary, Single Pole, Blue LED	MPB19-A0F10R-712-T1Q
Anti Vandal Push Button Switch, 12V, Latching, Single Pole, White LED	MPB19-A0F11D-112-T1Q
Anti Vandal Push Button Switch, 12V, Latching, Double Pole, Type Green Led	MPB19-D0F21P-612-T1Q
Anti Vandal Push Button Switch, 12V, Latching, Single Pole, Blue LED	MPB19-A0F11E-712-T1Q

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