

Illuminated push button, connector M12, Ø 22 mm, stainless steel 316L

Distribution by
Mouser



82-6657.1114



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Your product:



82-6657.1114

Illuminated push button, connector M12,
Ø 22 mm, stainless steel 316L

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FRONT

| | |
|------------------------------|----------------------|
| Front dimension: | Ø 25 mm |
| Front form: | Round |
| Front bezel material: | Stainless steel 316L |
| Front bezel shape: | Flush |

MOUNTING

| | |
|--------------------------|----------------|
| Mounting cut-out: | Ø 22 mm |
| Mounting type: | Panel mounting |

OPERATING-/INDICATION PART

| | |
|-------------------------------|----------------------|
| Lens colour: | Silver |
| Lens material: | Stainless steel 316L |
| Lens illumination: | Illuminated |
| Lens shape: | Flush |
| Lens optics: | opaque |
| Illumination colour: | Red |
| Shape of illumination: | Ring (Tritan) |

ELECTRICAL CHARACTERISTICS

| | | |
|---|--|---------|
| Switching voltage and switching current: | according to UL 508 (Silver contacts) cosφ 0,75 ... 0,8 | |
| | Voltage | Current |
| | 120 VAC | 5 A |
| | 240 VAC | 3 A |
| | 24 VAC | 1 A |

according to IEC 60947-5-1 (Silver contacts)

Service categorie AC-15

Voltage

24 VAC

35 VAC

110 VAC

220 VAC

Switch rating DC service categorie DC-13 (Silver contacts)

Voltage

24 VDC

35 VDC

110 VDC

220 VDC

Current

1 A

1 A (M12 version)

1 A

0.5 A

Current

0.7 A

0.5 A (M12 version)

0.2 A

0.1 A

| | |
|--|--|
| Operating voltage: | 24 V DC (LED) |
| Rated Operational Voltage Ue: | 250 VAC |
| Rated insulation voltage Ui: | 250 V |
| Short circuit protective device: | fuse / 500 V / 5 A / gG |
| Rated short-circuit current caused: | AC: 1 kA DC: 1 kA |
| Switching rating: | 35 V AC/DC @ 0,6 A |
| Electrical lifetime: | 50 000 cycles of operation |
| Electric strength: | 1500 VAC, 50 Hz 1 minute between life terminals and ground |
| Pollution degree: | 2, according to EN IEC 60947-1 |
| Thermal current Ith: | 5 A |

MECHANICAL CHARACTERISTICS

| | |
|-----------------------------|-------------------------------|
| Terminal: | Connector M12 (5 pins) |
| Switching action: | Momentary |
| Switching system: | Snap-action switching element |
| Mechanical lifetime: | 1 Mil. cycles of operation |
| Operating force: | 4 N ... 7 N |
| Operating Travel: | ca. 3 mm |
| Tightening torque: | 0.5 ... 0.6 Nm |
| Weight: | 0.043 kg |

AMBIENT CONDITION

| | |
|-------------------------------|---------------------|
| IP front protection: | IP65, IP67 |
| Operating temperature: | - 30 °C ... + 70 °C |
| Storage temperature: | - 40 °C ... + 80 °C |

Shock resistance:

Max. 500 m / s² as per IEC 60068-2-27

Vibration resistance:

10 ... 500 Hz, amplitude 1.5 mm p-p according to IEC 60068-2-6

Climate resistance:

Damp heat, 21 days according to IEC 60512-11

CERTIFICATE

Conformities:

CE, 2011 / 65 / EC (RoHS), 2014 / 35 / EU (LVD)

REACH:

REACH compliant

RoHS:

RoHS compliant

OTHER

Short Description:

Illuminated push button, connector M12, Ø 22 mm, stainless steel 316L, Momentary, 35 V AC/DC @ 0,6 A, 24 V DC (LED), Connector M12 (5 pins), Round, Stainless steel 316L, Red, Silver

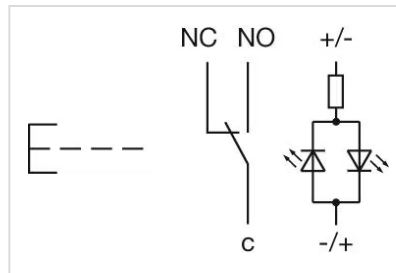
Kind of illumination:

Single-LED

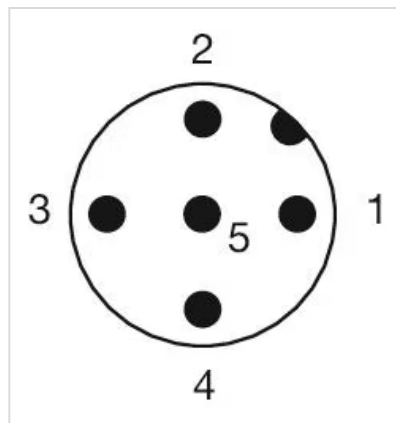
Housing size:

19 mm

Wiring diagrams:



Component layouts:



1 = NC
 2 = LED+
 3 = Common
 4 = LED-
 5 = NO
 A-Coded

Mounting cut-outs:



Dimension drawings:

