

Stop switch

Distribution by DigiKey



84-6341.2B20







84-6341.2B20 Stop switch

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Front dimension: \varnothing 32 mm

Front form: Round

MOUNTING

Mounting cut-out: Ø 22.3 mm

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens colour: Black

Lens material: Plastic

Lens illumination: Illuminated

Lens shape: Mushroom-head

Lens optics: opaque

Lens: round

Switching position ring: Black

Illumination colour: Red

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

Switch rating AC with silver contact (gold plated) Service category AC-15 as per EN IEC 60947-5-1

 Voltage
 120 VAC
 240 VAC

 Current
 3 A
 1,5 A

Switch rating AC with silver contact (gold plated) Service category DC-13 as per EN IEC 60947-5-1

NO contacts

NC contacts

NO/NC contacts

(48 VA) (60 VA)

12 VDC/2.0 A 12 VDC/2.5 A 125 VDC/0.22 A 24 VDC/2.0 A 24 VDC/2.5 A 250 VDC/0.11 A 48 VDC/1.0 A 48 VDC/1.25 A

60 VDC/1.0 A 60 VDC/1.0 A 60 VDC/1.0 A

Contacts: 2 NC

Operating voltage: 5 - 30 V DC (LED)

Rated Operational Voltage Ue: 250 VAC/DC according to EN IEC 60947-1

Rated impulse withstand voltage

Uimp:

4 kV, according to EN IEC 60947-1

Rated insulation voltage Ui: 250 V according to EN / IEC 60947-1

Rated short-circuit current

caused:

1 000 A, type of short-circuit device 6 A gG (EN 60947-5-1)

Recommended minimum Silver contacts (gold plated)

operational data: Voltage 1 VAC/DC

Current 1 mA

Switching rating: 250 V AC @ 1,5 A

Electrical lifetime: 50 000 cycles of operation

Electric strength: 500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2

Overvoltage category: III, according to EN / IEC 61058-1

Pollution degree: 3, according to EN IEC 60947-1

Protection class: II, according to EN / IEC 60947-5

Standards: According to EN 60947-5-1, EN 60947-5-5, DIN EN ISO 13850, EN IEC 60204

Thermal current Ith: 5 A

MECHANICAL CHARACTERISTICS

Terminal: Plug-in terminal, 2.8 x 0.5 mm

Contact material: Gold

Switching action: Maintained

Switching system: Slow-make switching element

Release type: Twist to unlock

Mechanical lifetime: ≥50 000 cycles of operation

Operating force: 20 N ± 4 N

Operating Travel: ca. 4 mm

Tightening torque: Fixing nut 0.8 Nm

Weight: 0.001 kg

AMBIENT CONDITION

IP front protection: IP65, IP66, IP67, according to DIN EN 60529

IK Protection: IK07 as per IEC 62262

Operating temperature: $-25 \, ^{\circ}\text{C} \, ... + 70 \, ^{\circ}\text{C}$

Storage temperature: - 25 °C ... + 85 °C

Shock resistance: Max. 150 m / s², pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-

2-27

Vibration resistance: Max. 50 m / s² from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-

2-6)

Climate resistance: Damp heat, cyclic: 96 hours, + 25 °C/97 %, + 55 °C/93 % relative humidity, as per

EN IEC 60068-2-30

Damp heat, steady: 56 days, + 40 °C/93 % relative humidity, according to EN IEC

60068-2-78

Saline mist: 96 hours, + 35 °C in chemical solution NaCl, as per EN IEC 60068-2-

11

Dry heat: 96 hours, + 70 °C, as per EN IEC 60068-2-2

Low temperature: 96 hours, - 40 °C (as per EN IEC 60068-2-1)

CERTIFICATE

Approbations: CB (IEC 60947-5-1. IEC60947-5-5), CCC, UL NKCR

Conformities: CE, UKCA, 2006 / 42 / EC (MD), 2011 / 65 / EC (RoHS)

REACH: REACH compliant

RoHS: RoHS compliant

OTHER

Short Description: Stop switch, Ø 22.3 mm, Ø 32 mm, Mushroom-head, Illuminated, Black, Plastic,

opaque, Round, 2 NC, Maintained, Plug-in terminal, 2.8 x 0.5 mm, IP65, IP66,

IP67, according to DIN EN 60529, Twist to unlock, Red

Material: Plastic, according to UL 94 V0

Housing colour: Grey

Housing material: Plastic, according to UL 94 V0

Product attributes: Twist to unlock clockwise

Hints: Position indication ring black

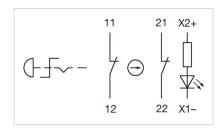
Twist to unlock clockwise

Luminosity and wave length variations caused by LED manufacturing processes may cause slight differences regarding the illumination. The customer has to

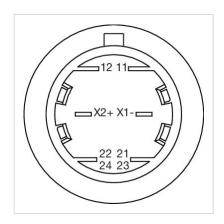
Description component:

The double-break switching system can be supplied for the following switching functions: 1 Normally closed, 2 Normally closed, 1 Normally closed + 1 Normally open. The Normally closed contacts have forced opening according to EN 60947-5-5, Material housing actuator: Plastic as per UL94 V0, Material lens: Plastic as per UL94 V2

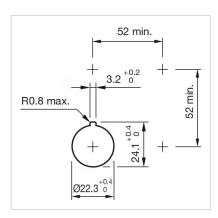
Wiring diagrams:



Component layouts:



Mounting cut-outs:



Dimension drawings:

