Your Expert Partner for **Human Machine Interfaces**

Stop switch

Distribution by DigiKey

84-6230.0020.0679



https://digikey.eao.com/p/84-6230.0020.0679

Your product:



84-6230.0020.0679
Stop switch

FRONT

Front dimension: Ø 32 mm

OPERATING-/INDICATION PART

Lens illumination: non illuminative

Lens colour: Grey

Lens shape: mushroom-head

Lens material: Plastic

Lens optics: opaque

ELECTRICAL CHARACTERISTICS

Contacts: 1 NC / 1 NO

Electrical lifetime: 50 000 cycles of operation

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

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	24(
Current	3 A	1,5

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

NO contacts	NC contacts	NO
(48 VA)	(60 VA)	
12 VDC/2.0 A	12 VDC/2.5 A	12
24 VDC/2.0 A	24 VDC/2.5 A	25(
48 VDC/1.0 A	48 VDC/1.25 A	
60 VDC/0.8 A	60 VDC/1.0 A	

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

Thermal current Ith: 5 A

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

Overvoltage category:

II, according to EN / IEC 61058-1

Protection class:	II, according to EN / IEC 60947-5
Rated impulse withstand voltage Uimp:	2.5 kV, according to EN / IEC 60947-1
Rated insulation voltage Ui:	250 V according to EN / IEC 60947-1
Rated Operational Voltage Ue:	250 VAC/DC 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)

MECHANICAL CHARATERISTIC

Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Operating Travel:	ca. 4 mm
Weight:	0.028 kg
Contact material:	Gold
Switching action:	Momentary
Switching system:	Slow-make switching element
Release type:	Twist to unlock
Mechanical lifetime:	250 000 cycles of operation
Operating force:	17 N ± 4 N
Tightening torque:	Fixing nut 0.8 Nm

AMBIENT CONDITION

IP Protection:	IP20 rear side
Operating temperature:	– 25 °C ... + 70 °C
Storage temperature:	– 25 °C ... + 85 °C
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 Dry heat: 96 hours, + 65 °C, as per EN IEC 60068-2-2 Low temperature: 96 hours, – 25 °C (as per EN IEC 60068-2-1)) UV test, 56 days (EN 60068-2-5:1999) Saline mist: 96 hours, + 35 °C in chemical solution NaCl, as per EN IEC 60068-2-11
Shock resistance:	Max. 150 m / s^2, pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
Vibration resistance:	Max. 50 m / s^2 from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6)

CERTIFICATE

Approbations: CCC, UL

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

OTHER

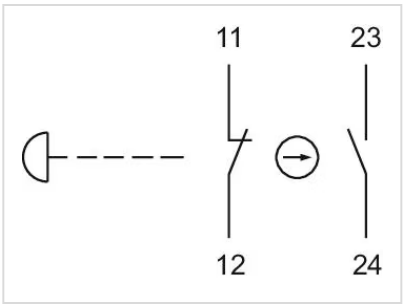
Housing colour: Grey

Housing material: Plastic

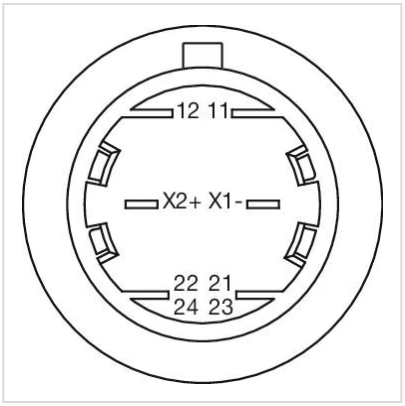
Short Description: Stop switch, Ø 32 mm, mushroom-head, non illuminative, Grey, Plastic, opaque, 1 NC / 1 NO, Momentary, Plug-in terminal, 2.8 x 0.5 mm, Twist to unlock

Hints: Position indication ring black

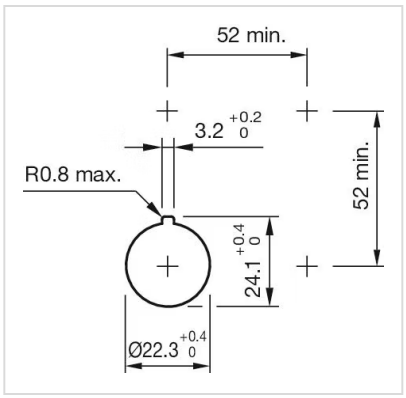
Wiring diagrams:



Component layouts:



Mounting cut-outs:



Dimension drawings:

