

Stop switch

84-6840.0020



<https://eao.com/p/84-6840.0020>

Your product:



84-6840.0020
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: 2 NC

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	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
	(48 VA)	(60 VA)	
	12 VDC/2.0 A	12 VDC/2.5 A	12 VDC/2.0 A
	24 VDC/2.0 A	24 VDC/2.5 A	25 VDC/2.0 A
	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
U_{imp}:**

2.5 kV, according to EN / IEC 60947-1

Rated insulation voltage U_i:

250 V according to EN / IEC 60947-1

Rated Operational Voltage U_e:

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 CHARACTERISTIC

Terminal:

Plug-in terminal, 2.8 x 0.5 mm

Operating Travel:

ca. 4 mm

Weight:

0.028 kg

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:

22 N ±4 N

Tightening torque:

Fixing nut 0.8 Nm

AMBIENT CONDITION

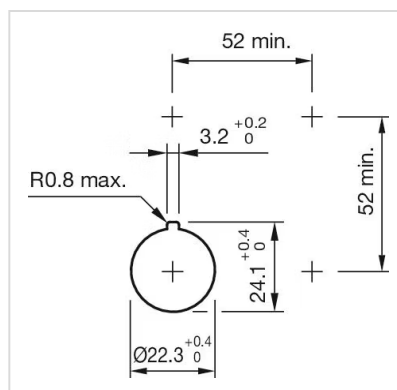
Shock resistance:	Max. 150 m / s ² , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)
IP Protection:	IP20 rear side
Operating temperature:	– 25 °C ... + 65 °C
Storage temperature:	– 25 °C ... + 85 °C
Climate resistance:	Damp heat, cyclic: 96 hours, + 25 °C/97 %, + 55 °C/93 % relative 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
IP front protection:	IP65, according to DIN EN 60529
Vibration resistance:	Max. 50 m / s ² from 10 Hz ... 500 Hz, 10 cycles, 3-axis (sinusoidal EN IEC 60068-2-6)

CERTIFICATE

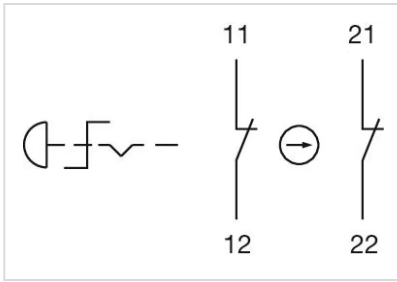
Approbations:	CCC, UL
Conformities:	CE, UKCA, 2006 / 42 / EC (MD), 2011 / 65 / EC (RoHS)

OTHER

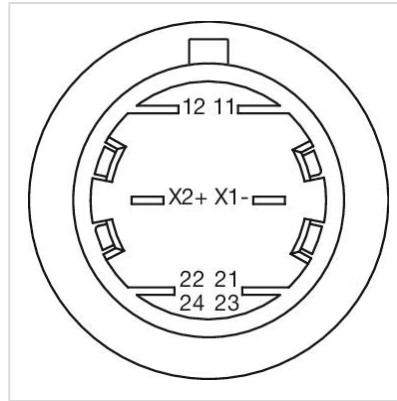
Short Description:	Stop switch, Ø 32 mm, mushroom-head, non illuminative, Grey, Plastic, opaque, 2 NC, Maintained, Plug-in terminal, 2.8 x 0.5 mm, IP65, according to DIN EN 60529, Twist to unlock
Hints:	Position indication ring black, Twist to unlock clockwise
Mounting cut-outs:	



Wiring diagrams:



Component layouts:



Dimension drawings:

