

Stop switch

84-6230.0020

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Your product:



84-6230.0020

Stop switch

FRONT

Front form:	round
Front dimension:	Ø 32 mm

MOUNTING

Mounting cut-out:	Ø 22.3 mm
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OPERATING-/INDICATION PART

Lens optics:	opaque
Lens:	round
Lens illumination:	non illuminative
Illumination colour:	none
Lens colour:	Grey
Lens shape:	mushroom-head
Lens material:	Plastic
Switching position ring:	Black

ELECTRICAL CHARACTERISTICS

Rated insulation voltage Ui:	250 V according to EN / IEC 60947-1
Overvoltage category:	II, according to EN / IEC 61058-1
Pollution degree:	3, according to EN IEC 60947-1
Electric strength:	500 VAC, 50 Hz, 1 minute according to DIN IEC 60512-2
Rated Operational Voltage Ue:	250 VAC/DC 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 contacts
	(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	24 VDC/2.0 A
	48 VDC/1.0 A	48 VDC/1.25 A	48 VDC/1.0 A
	60 VDC/0.8 A	60 VDC/1.0 A	

Thermal current I_{th}:	5 A
Rated short-circuit current caused:	1 000 A, type of short-circuit device 6 A gG (EN 60947-5-1)
Rated impulse withstand voltage U_{imp}:	2.5 kV, according to EN / IEC 60947-1
Contacts:	1 NC / 1 NO
Standards:	According to EN 60947-5-1, EN 60947-5-5, DIN EN ISO 13850, EN IEC 60204
Protection class:	II, according to EN / IEC 60947-5
Electrical lifetime:	50 000 cycles of operation

MECHANICAL CHARACTERISTIC

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

AMBIENT CONDITION

IP Protection:	IP20 rear side
Storage temperature:	– 25 °C ... + 85 °C
Vibration resistance:	Max. 50 m / s ² 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

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

Operating temperature: – 25 °C ... + 70 °C

IP front protection: IP65, according to DIN EN 60529

Shock resistance: Max. 150 m / s², pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27)

CERTIFICATE

Approbations: CCC, UL

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

OTHER

Short Description: Stop switch, Ø 22.3 mm, Ø 32 mm, mushroom-head, non illuminative, Grey, Plastic, opaque, round, 1 NC / 1 NO, Maintained, Plug-in terminal, 2.8 x 0.5 mm, Twist to unlock, none

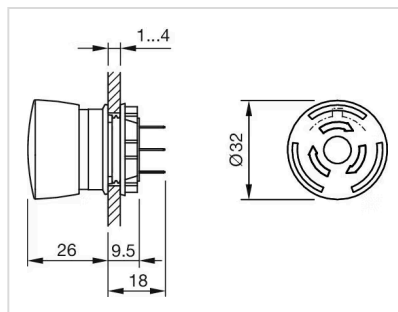
Material: Plastic

Housing material: Plastic

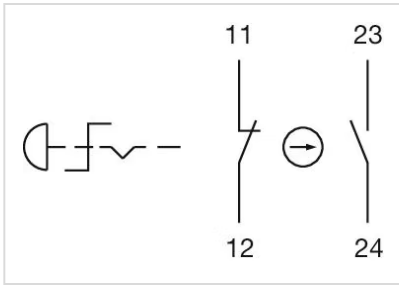
Hints: Position indication ring black, Twist to unlock clockwise

Housing colour: Grey

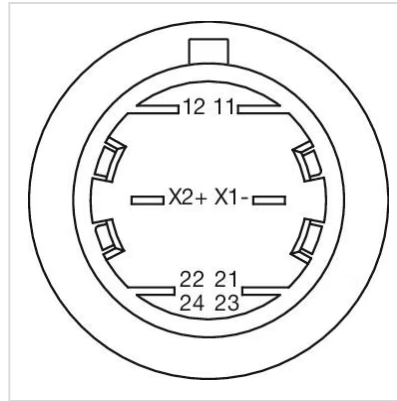
Dimension drawings:



Wiring diagrams:



Component layouts:



Mounting cut-outs:

