

Stop switch

84-6221.2B20

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Your product:



84-6221.2B20

Stop switch

FRONT

Front dimension: Ø 32 mm

MOUNTING

Mounting cut-out: Ø 22.3 mm

OPERATING-/INDICATION PART

Lens colour: Grey

Illumination colour: Red

Lens illumination: illuminative

Lens material: Plastic

Lens optics: opaque

Lens shape: mushroom-head

ELECTRICAL CHARACTERISTICS

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

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

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

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

Thermal current I_{th}: 5 A

Electrical lifetime: 50 000 cycles of operation

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

Operating voltage: 5 - 30,00 V DC (LED)

Rated Operational Voltage U_e:	250 VAC/DC according to EN IEC 60947-1		
Protection class:	II, according to EN / IEC 60947-5		
Contacts:	1 NC		
Standards:	According to EN 60947-5-1, EN 60947-5-5, DIN EN ISO 13850, EN IEC 60204		
Switching voltage and switching current:	Switch rating AC with silver contact (gold plated) Service category AC-15 as per EN IEC 60947-5-1	120 VAC	240 VAC
	Voltage		
	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 (48 VA)	NC contacts (60 VA)	NO
	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	
Rated impulse withstand voltage U_{imp}:	2.5 kV, according to EN / IEC 60947-1		

MECHANICAL CHARACTERISTIC

Mechanical lifetime:	≥50 000 cycles of operation
Terminal:	Plug-in terminal, 2.8 x 0.5 mm
Operating force:	22 N ±4 N
Release type:	Twist to unlock
Weight:	0.028 kg
Switching action:	Maintained
Switching system:	Slow-make switching element
Contact material:	Gold
Operating Travel:	ca. 4 mm
Tightening torque:	Fixing nut 0.8 Nm

AMBIENT CONDITION

IP Protection:	IP20 rear side
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)
Operating temperature:	– 25 °C ... + 65 °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

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)

CERTIFICATE

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

Approbations: CCC, UL

OTHER

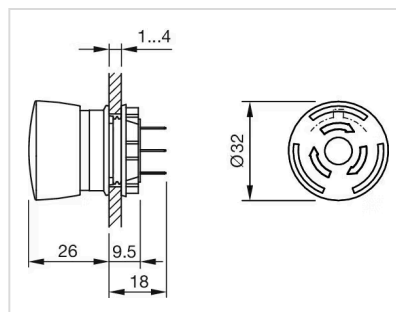
Housing material: Plastic

Short Description: Stop switch, Ø 22.3 mm, Ø 32 mm, mushroom-head, illuminative, Grey, Plastic, opaque, 1 NC, Maintained, Plug-in terminal, 2.8 x 0.5 mm, IP65, according to DIN EN 60529, Twist to unlock, Red

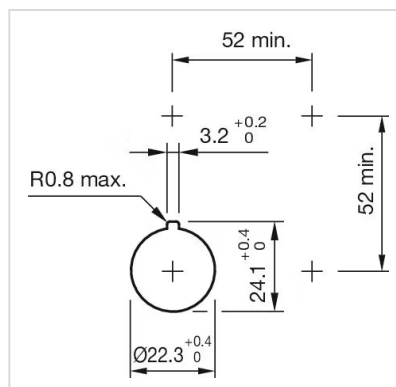
Housing colour: Grey

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 decide what resistor shall be used to the LED

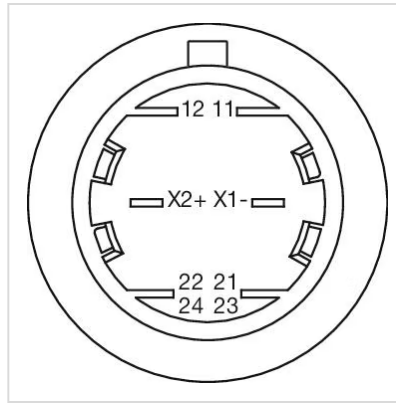
Dimension drawings:



Mounting cut-outs:



Component layouts:



Wiring diagrams:

