

Stop switch

84-6221.2B20

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Your product:



84-6221.2B20

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 colour:	Grey
Illumination colour:	Red
Lens illumination:	illuminative
Switching position ring:	Black
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 Ui:	250 V according to EN / IEC 60947-1		
Operating voltage:	5 - 30 V DC (LED)		
Rated Operational Voltage Ue:	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 3 A	240 VAC 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 125 VA
	12 VDC/2.0 A	12 VDC/2.5 A	125 VDC/0.5 A
	24 VDC/2.0 A	24 VDC/2.5 A	250 VDC/0.5 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 Uimp:	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, round, 1 NC, Maintained, Plug-in terminal, 2.8 x 0.5 mm, IP65, according to DIN EN 60529, Twist to unlock, Red

Material:

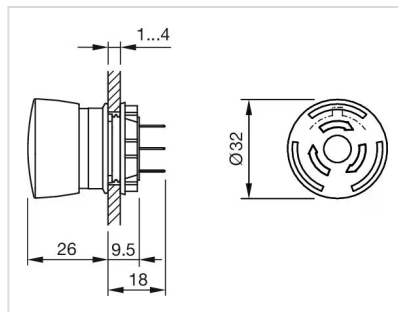
Plastic

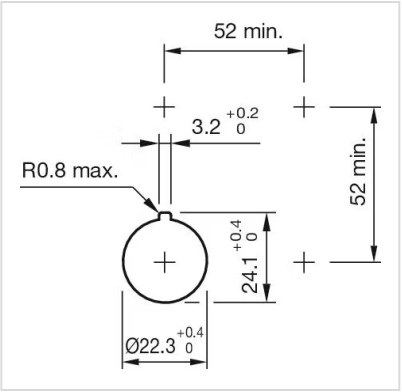
Housing colour:

Grey

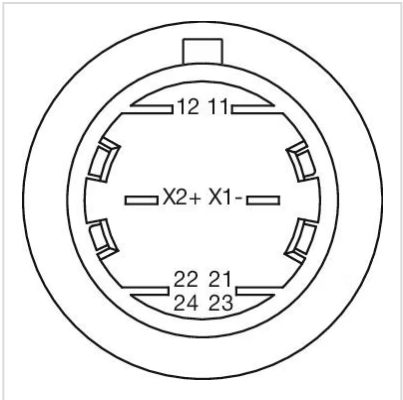
Hints:

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:

