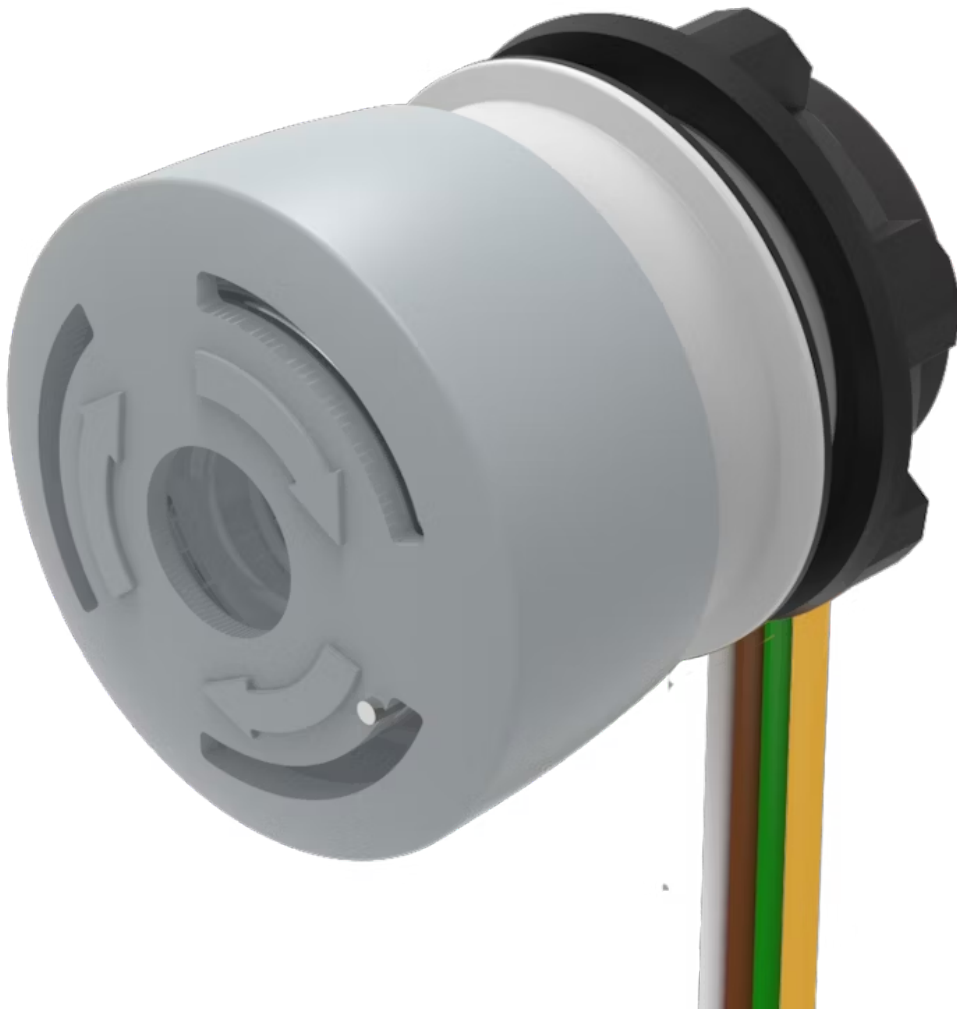


Stop switch

84-6221.2B40

Distribution by
DigiKey

DigiKey



<https://digikey.eao.com/p/84-6221.2B40>

Your product:



84-6221.2B40

Stop switch

FRONT

Front dimension: Ø 32 mm

MOUNTING

Mounting cut-out: Ø 22.3 mm

OPERATING-/INDICATION PART

Switching position ring: Black

Illumination colour: Red

Lens shape: mushroom-head

Lens colour: Grey

Lens illumination: illuminative

Lens optics: opaque

Lens material: Plastic

ELECTRICAL CHARACTERISTICS

Operation current: 9,7 - 12,40 mA

Electrical lifetime: 50 000 cycles of operation

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/NC contacts
(48 VA)	(60 VA)	
12 VDC/2.0 A	12 VDC/2.5 A	125 VDC/0.22 A
24 VDC/2.0 A	24 VDC/2.5 A	250 VDC/0.11 A
48 VDC/1.0 A	48 VDC/1.25 A	
60 VDC/0.8 A	60 VDC/1.0 A	

Rated short-circuit current caused:	1 000 A, type of short-circuit device 6 A gG (EN 60947-5-1)
Contacts:	1 NC
Pollution degree:	3, according to EN IEC 60947-1
Rated insulation voltage Ui:	250 V according to EN / IEC 60947-1
Operating voltage:	5 - 30,00 V DC (LED)
Thermal current Ith:	5 A
Standards:	According to EN 60947-5-1, EN 60947-5-5, DIN EN ISO 13850, EN IEC 60204
Rated impulse withstand voltage Uimp:	2.5 kV, according to EN / IEC 60947-1
Rated Operational Voltage Ue:	250 VAC/DC according to EN IEC 60947-1
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

MECHANICAL CHARATERISTIC

Tightening torque:	Fixing nut 0.8 Nm
Contact material:	Gold
Switching action:	Maintained
Terminal:	Flat ribbon cable 300 mm
Operating force:	22 N ±4 N
Release type:	Twist to unlock
Switching system:	Slow-make switching element
Weight:	0.036 kg
Operating Travel:	ca. 4 mm
Mechanical lifetime:	≥50 000 cycles of operation

AMBIENT CONDITION

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

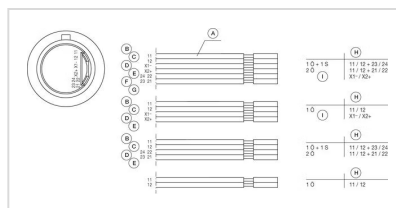
CERTIFICATE

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

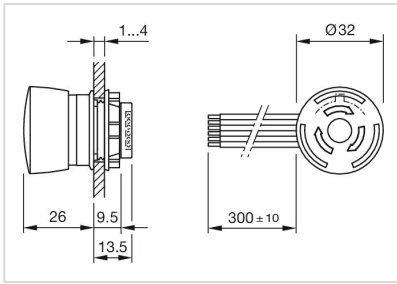
OTHER

Housing colour:	Grey
Housing material:	Plastic
Material:	Plastic
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
Short Description:	Stop switch, Ø 22.3 mm, Ø 32 mm, mushroom-head, illuminative, Grey, Plastic, opaque, 1 NC, Maintained, Flat ribbon cable 300 mm, IP65, according to DIN EN 60529, Twist to unlock, Red

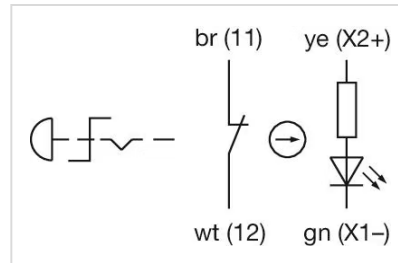
Component layouts:



Dimension drawings:



Wiring diagrams:



Mounting cut-outs:

