

## Product No:101021009

### SCHMERSAL EMERGENCY STOP MUSHROOM ,RED 101021009

*Note: The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets. | When the switches and actuators come together, the colours must coincide: Red (S) to red (S) and green (N) to green (N).*



#### General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	Low
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-06-01
eCl@ss Number, Version 9.0	27-27-06-01
ETIM 6.0	EC002544
ETIM 7.0	EC002544
Housing Construction Form	Cylinder smooth
No. of Beams	27
Product Type	Emergency Stop
Protection Class of Operating Resource	3
Recommended Actuator	BP10   BP 8   BP 6   BP15 SS
Recommended Safety Switchgear	SRB-E 301
Version	Flush-mounted illuminated pushbutton - Front plate mounting
Working Principle	Magnetic drive

#### Technical Attributes

No. of Auxiliary Contacts	1
Switchover Time (ms)	5.5
Actuating Stroke (mm)	4

Actuator Type to EN 50047	B
Assured "OFF" Switching Distance (mm)	14
Assured "ON" Switching Distance (mm)	4
Bounce Duration	Bounce duration in accordance with actuating speed
Coding Type	Individual coding, multiple teaching
Connector Type	Connector plug M12, 4-pole
Contact Material	Silver
Design of Control Element	p-type
Detection Ability for Test Bodies @ V = 1.6 m/s	14 mm
Height of The Protection Field (mm)	330
Integral System Diagnostics Status	Yes
Latching Force (N)	20
Maximum Actuating Speed (m/s)	1
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5
Maximum Electrical Power Consumption (W)	8.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Holding Force (N)	1300
Maximum Leakage Current (mA)	0.5
Maximum No-load Supply Current (mA)	35
Maximum Output Current (A)	0.25
Maximum Permissible Installation Altitude Above Sea Level (m)	2000
Maximum Protection Field (mm)	7000
Maximum Reaction Time (ms)	28
Maximum Switching Frequency (Hz)	5
Maximum Switching Voltage AC (V)	100
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	4122
Minimum Cable Cross Section (mm <sup>2</sup> )	0.5
Minimum Mechanical Life	20000000 Operations

Minimum Protection Field (mm)	300
No. of Actuating Directions	2
No. of Cable Wires	3
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Torque (Nm)	0.185
Positive Break Travel (mm)	5
Rated Control Voltage AC (V)	115
Rated Control Voltage DC (V)	24
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	500
Rated Operating Current (mA)	300
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Slide Form	Castor
Switching Element	Opener (NC)
Switching Principle	Slow action
Switchover Time	Switchover time in accordance with actuating speed
Terminal Type	Screw terminals M20 x 1.5
Tolerance	10%
Utilisation Category	DC-13   AC-15
Utilisation Category AC-15	230 VAC
Utilisation Category DC-13	24 VDC
Voltage Type	DC   AC
Wavelength of The Sensor (nm)	880

### Physical Attributes

Active Area	Plastic
Actuator Material	Stainless steel
Actuator Type	Roller lever

Cable Entry	Single-conductor entry with strain relief
Colour of The Front Ring	Silver
Colour of The Operating Element	Red
Design	Round
Direction of Motion	Head-on to the active surface
Enclosure Coating Material	Powder-coated
Enclosure Material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Front Ring Material	ABS, chrome-plated
Gross Weight (g)	80
Handle Colour	Black
Housing Colour	Black
Installation Conditions	Flush
Lead Colour	Colour code DIN47100
Lever Material	Metal film
Material of The Cable Mantle	PVC
Material of The Operators	ABS
Maximum Ambient Temperature (°C)	80
Maximum Relative Humidity	95%
Minimum Ambient Temperature (°C)	-25
Minimum Relative Humidity	30%
Mounting Type	Mounting flange EFM
Net Weight (g)	0.42
No. of LEDs	3
Recipient Terminal Connector Type	Connector plug M12, 8-pole
Roller Material	Plastic
Sealing Type	Lip gaskets / Membrane
Storage Temperature (°C)	-30 to 70
Unlocking	Key unlatching
Wire Cross-Section	23 AWG

## Dimensions

Cable Length (m)	2
Castor Diameter (mm)	16
Castor Width (mm)	8.5
Depth (mm)	274
Diameter of The Front Ring (mm)	29.5
Height (mm)	11
Sensor Height (mm)	101.5
Sensor Length (mm)	40
Spacing (mm)	50 x 50
Width (mm)	10

#### Protection & Standards

Degree of Protection	IP66 / IP67
Explosion Protection Category	3D   3G
Explosion Protection Zones	22   2
Pollution Degree	3
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

#### Resources

Product catalogue (Flipbook)	<a href="#">Download from here</a>
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