

## Product No: 101057473

### SCHMERSAL POSITION SWITCH 101057473

*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	27-27-01-01
eCl@ss Number, Version 9.0	27-27-01-01
ETIM 6.0	EC000030
ETIM 7.0	EC000030
Housing Construction Form	Cylinder thread
No. of Beams	20
Product Type	Limit Switch
Protection Class of Operating Resource	3
Recommended Actuator	BPS 33-2326   BPS 33
Recommended Safety Switchgear	SRB-E-301ST   SRB-E-201LC
Version	Round   Mushroom button
Working Principle	Magnetic drive

#### Technical Attributes

No. of Auxiliary Contacts	1
Switchover Time (ms)	5.5
Actuating Torque (Nm)	0.31
Actuator Type to EN 50047	B
Assured "OFF" Switching Distance (mm)	18
Assured "ON" Switching Distance (mm)	8

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-nickel alloy 10
Design of Control Element	p-type
Detection Ability for Test Bodies @ V = 1.6 m/s	35 mm
Height of The Protection Field (mm)	570
Integral System Diagnostics Status	Yes
Latching Force (N)	20
Maximum Actuating Speed (m/s)	0.5
Maximum Bounce Duration (ms)	2
Maximum Cable Cross Section (mm <sup>2</sup> )	1 x 2.5
Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	2 A gG D-fuse
Maximum Holding Force (N)	2600
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)	20000
Maximum Reaction Time (ms)	20
Maximum Switching Capacity (W)	10
Maximum Switching Current (A)	0.1
Maximum Switching Frequency (Hz)	5
Maximum Switching Voltage DC (V)	24
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	336
Minimum Cable Cross Section (mm <sup>2</sup> )	0.5
Minimum Mechanical Life	5000000 Operations
Minimum Positive Break Force (N)	50

No. of Actuating Directions	4
No. of Cable Wires	6
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	2
Rated Control Voltage DC (V)	24
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	500
Rated Operating Current (mA)	2000
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	110 / 4
Switching Element	Opener (NC)
Switching Principle	Snap 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	0.25 A, 24 VDC
Wavelength of The Sensor (nm)	850

### Physical Attributes

Active Area	Plastic
Actuator Type	Magnet
Cable Entry	Without cable gland
Colour of The Front Ring	Silver
Design	Straight
Direction of Motion	Head-on to the active surface
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic

Front Ring Material	Aluminium
Gross Weight (g)	13
Installation Conditions	Quasi-flush
Lever Material	Plastic
Material of The Cable Mantle	LiYY
Maximum Ambient Temperature (°C)	80
Maximum Relative Humidity	85%
Minimum Ambient Temperature (°C)	-25
Mounting Type	Mounting flange EFM
Net Weight (g)	210
Recipient Terminal Connector Type	Connector plug M12, 8-pole
Roller Material	Plastic
Sealing Type	Lip gaskets / Membrane
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	23 AWG

### Dimensions

Cable Length (m)	1
Depth (mm)	115
Height (mm)	189
Sensor Height (mm)	931
Sensor Length (mm)	20
Spacing (mm)	80 x 80
Width (mm)	295

### Protection & Standards

Degree of Protection	IP67
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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