

Product No: 101058179

SCHMERSAL POSITION SWITCH 101058179

Note: The number in brackets indicate the PIN number of the connector.

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	27-27-01-03
eCl@ss Number, Version 9.0	27-27-01-03
ETIM 6.0	EC002714
ETIM 7.0	EC002714
Housing Construction Form	Norm construction design
No. of Beams	192
Product Type	Limit Switch
Protection Class of Operating Resource	2
Recommended Actuator	BNS-B20-B01
Recommended Safety Switchgear	SRB-E 301
Version	Emergency stop pushbutton with latching - front plate mounting
Working Principle	Magnetic drive

Technical Attributes

No. of Auxiliary Contacts	1
Switchover Time (ms)	2
Actuating Torque (Nm)	0.15
Actuator Type to EN 50047	A
Assured "OFF" Switching Distance (mm)	15
Assured "ON" Switching Distance (mm)	5
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	30 mm
Height of The Protection Field (mm)	1770
Integral System Diagnostics Status	Yes
Latching Force (N)	30
Maximum Actuating Speed (m/s)	2
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm ²)	2.5
Maximum Electrical Power Consumption (W)	8.5
Maximum Fuse Rating	4 A gG D-fuse
Maximum Holding Force (N)	2600
Maximum Leakage Current (mA)	0.5
Maximum No-load Supply Current (mA)	100
Maximum Output Current (A)	0.2
Maximum Permissible Installation Altitude Above Sea Level (m)	2000
Maximum Protection Field (mm)	20000
Maximum Reaction Time (ms)	10
Maximum Switching Capacity (W)	750
Maximum Switching Current (A)	0.4
Maximum Switching Frequency (Hz)	5
Maximum Switching Voltage DC (V)	24
Minimum Actuating Force (N)	17
Minimum Actuating Speed (mm/min)	92
Minimum Cable Cross Section (mm ²)	1 x 0.25
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	19
Minimum Protection Field (mm)	3000
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 AC (V)	230
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	300
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	Opener (NC)
Switching Principle	Slow action
Switchover Time	Switchover time in accordance with actuating speed
Terminal Type	Connector M12
Thermal Test Current (A)	25
Tolerance	10%
Utilisation Category	DC-13 AC-15
Wavelength of The Sensor (nm)	880

Physical Attributes

Active Area	Lateral
Actuator Type	Roller plunger
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	Metal, zinc die-cast
Front Ring Material	Aluminium
Gross Weight (g)	1530

Installation Conditions	Not flush
Lever Material	Metal film
Material of The Cable Mantle	PVC
Maximum Ambient Temperature (°C)	80
Maximum Relative Humidity	95%
Minimum Ambient Temperature (°C)	-25
Mounting Type	Mounting flange
Net Weight (g)	24
Recipient Terminal Connector Type	Connector plug M12, 8-pole
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.75 mm

Dimensions

Cable Length (m)	10
Depth (mm)	15.5
Height (mm)	189
Sensor Height (mm)	1571
Sensor Length (mm)	40
Spacing (mm)	90 x 90
Width (mm)	295

Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 60947-5-1 / EN IEC 60947-1

Resources

Product catalogue (Flipbook)	Download from here
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