

Product No:101117076

SCHMERSAL BPS303 SAFETY SENSOR 101117076

FEATURES

- Position switch with thermoplastic enclosure
- Actuating element: Roller lever
- Switching elements: 1 NO contact and 1 NC contact
- Thermal test current: 10 A
- Utilisation category AC-15: 230 VAC, 4 A
- Utilisation category DC-13: 24 VDC, 4 A
- IP Rating: IP67 for dust and water resistance
- Operating temperature range from -30 °C to +80 °C



*Note: In case of failure (interruption of the 0 V supply) the maximum leakage current is 1 mA.*

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	27-37-12-13
eCl@ss Number, Version 9.0	27-37-12-13
ETIM 6.0	EC000222
ETIM 7.0	EC000223
Housing Construction Form	Norm construction design
Product Type	Accessory
Recommended Actuator	AZ/AZM201-B1   AZ/AZM201-B30
Recommended Safety Switchgear	SRB-E-301ST   SRB-E-201LC
Series	BPS3
Working Principle	Electromechanical
Technical Attributes	
No. of Auxiliary Contacts	4
Contact Material	Silver



Maximum Cable Cross Section (mm²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (W)	0.24
Minimum Actuating Speed (mm/min)	1
Minimum Cable Cross Section (mm²)	0.34
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	40
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	8
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	500
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	Opener (NC)
Switching Principle	Slow action
Terminal Type	Cable H03VV-F
Thermal Test Current (A)	0.25
Utilisation Category	DC-13   AC-15
Utilisation Category AC-15	25 A
Utilisation Category DC-13	0.05 A

Physical Attributes	
Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	73.1
Installation Conditions	Arbitrarily
Maximum Ambient Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Mounting Type	Knurled nut



Net Weight (g)	2200
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	13 AWG

Dimensions

Cable Length (m)	2
Height (mm)	26
Sensor Height (mm)	1011
Sensor Length (mm)	30
Width (mm)	90

Protection & Standards

Degree of Protection	IP65
Pollution Degree	3
Standards	EN ISO 13850

Resources

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