

Product No: 101113734

SCHMERSAL BPS300 SAFETY SENSOR 101113734

FEATURES

- Inductive proximity switch with a 2 mm switching distance
- DC 3-wire connection
- Cylinder shape with M12 ISO thread for mounting
- Equipped with an M12 connector
- Normally closed (NC) switching element
- Brass enclosure material for durability
- Operating voltage range of 10 to 30 VDC
- Maximum output current of 200 mA
- High switching frequency of 1,000 Hz



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	27-27-26-02
eCl@ss Number, Version 9.0	27-37-12-11
ETIM 6.0	EC000223
ETIM 7.0	EC001038
Housing Construction Form	Norm construction design
Product Type	Accessory
Protection Class of Operating Resource	3
Recommended Actuator	AZM400-B1
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Series	BPS3
Working Principle	Magnetic drive

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Maximum Actuating Speed (m/s)	1
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	10 A gG D-fuse
Maximum Switching Capacity (W)	120
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	17
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	8
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Operating Current (mA)	600
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	Normally open contact (NO)
Switching Principle	Slow action
Terminal Type	Cable
Thermal Test Current (A)	0.25
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.5 A

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	1900

Installation Conditions	Arbitrarily
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-25
Mounting Type	Mounting flange
Net Weight (g)	20.829
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	13 AWG

Dimensions

Cable Length (m)	2
Height (mm)	11
Sensor Height (mm)	1571
Sensor Length (mm)	43
Width (mm)	67.5

Protection & Standards

Degree of Protection	IP65
Pollution Degree	3
Standards	EN IEC 60947-5-1 / EN IEC 60947-1

Resources

Product catalogue (Flipbook)	Download from here
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