

Product No: 101142789

SCHMERSAL ENCLOSED MAGNETIC SAFETY SENSOR 101142789

Note: Contact symbols shown for the closed condition of the guard device. | The contact configuration for versions with or without LED is identical.



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	27-37-12-11
eCl@ss Number, Version 9.0	27-37-12-11
ETIM 6.0	EC000223
ETIM 7.0	EC000221
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	2
Contact Material	Silver
Maximum Actuating Speed (m/s)	2.5
Maximum Cable Cross Section (mm ²)	1.5
Maximum Fuse Rating	6 A gG D-fuse quick blow
Minimum Actuating Speed (mm/min)	60
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	15
No. of Safety Contacts	1
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	2.5

Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	NO contact, NC contact
Switching Principle	Slow action
Terminal Type	Flat plug-in connector - 6.3 mm x 0.8 mm / 2 x 2.8 mm x 0.8 mm
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	1.5 A

Physical Attributes

Actuator Type	Pull strap
Enclosure Coating Material	Painted
Enclosure Material	Brass
Gross Weight (g)	30
Maximum Ambient Temperature (°C)	70
Minimum Ambient Temperature (°C)	-25
Net Weight (g)	30
Storage Temperature (°C)	-25 to 85
Wire Cross-Section	13 AWG

Dimensions

Height (mm)	98
Sensor Height (mm)	100.5
Sensor Length (mm)	46.5

Protection & Standards

Degree of Protection	IP65
Pollution Degree	3
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

Resources

Product catalogue (Flipbook)	Download from here
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