

Product No: 101110790

SCHMERSAL MAGNETIC SAFETY SENSOR 101110790

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	27-37-12-12
eCl@ss Number, Version 9.0	27-37-12-10
ETIM 6.0	EC000221
ETIM 7.0	EC000223
Housing Construction Form	Norm construction design
Product Type	Safety Sensor
Protection Class of Operating Resource	3
Recommended Actuator	AZM 40-B1
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Latching Force (N)	30
Maximum Actuating Speed (m/s)	2
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Switching Capacity (W)	0.24

Minimum Cable Cross Section (mm ²)	2 x 0.75
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	1
Overvoltage Category	3
Positive Break Travel (mm)	8
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Operating Current (mA)	1200
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	Opener (NC)
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

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Polyamide PA 66 GV, self-extinguishing, hardly flammable
Gross Weight (g)	1250
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-25
Mounting Type	Snaps onto standard DIN rail to EN 60715
Net Weight (g)	2100
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.75 mm

Dimensions

Cable Length (m)	2
Depth (mm)	121
Height (mm)	100
Sensor Height (mm)	36
Sensor Length (mm)	33
Width (mm)	40

Protection & Standards

Degree of Protection	IP67 / IP65
Pollution Degree	2
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

Resources

Product catalogue (Flipbook)	Download from here
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