

Product No: 101107846

SCHMERSAL IFL2-8M-10P INDUCTIVE PROXIMITY SWITCH 101107846

FEATURES

- Safety sensor
- Enclosure material: Plastic
- Length of the actuator: 88 mm
- Width of the actuator: 25 mm

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	27-37-12-10
eCl@ss Number, Version 9.0	27-37-12-11
ETIM 6.0	EC000223
ETIM 7.0	EC002714
Housing Construction Form	Norm construction design
Product Type	Proximity Switch
Protection Class of Operating Resource	3
Recommended Actuator	AZM 40-B1
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Series	IFL
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type

Maximum Actuating Speed (m/s)	2
Maximum Bounce Duration (ms)	2
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Nominal Output Voltage DC (V)	1.2
Maximum Switching Capacity (W)	0.24
Minimum Actuating Speed (mm/min)	60
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	20
No. of Safety Contacts	1
Nominal Output Current (A)	0.2
Overvoltage Category	3
Positive Break Travel (mm)	8
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Maximum Operational Voltage DC (V)	30
Rated Minimum Operational Voltage DC (V)	10
Rated Operating Current (mA)	50
Rated Operational Current (A)	0.2
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
Thermal Test Current (A)	0.25
Utilisation Category	DC-13 AC-15

Physical Attributes

Actuator Type	Pull strap
Enclosure Coating Material	Painted

Enclosure Material	Plastic, glass-fibre-reinforced
Gross Weight (g)	75
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	90
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	0
Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	59
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	13 AWG

Dimensions

Cable Length (m)	2
Depth (mm)	220
Height (mm)	100
Sensor Height (mm)	100
Sensor Length (mm)	33
Width (mm)	40

Protection & Standards

Degree of Protection	IP67
Pollution Degree	2
Standards	EN IEC 60947-5-1

Resources

Product catalogue (Flipbook)	Download from here
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