

Product No: 101141542

SCHMERSAL IFL10-30-10T INDUCTIVE PROXIMITY SWITCH 101141542

FEATURES

- Inductive proximity switch with a switching distance of 8 mm
- AC 2-wire connection system
- Cylinder shape with ISO thread M18 for mounting
- Equipped with a connector cable H03VV-F
- NO (Normally Open) contact switching element
- Double-insulated design for safety
- Durable metal enclosure material
- Operating voltage range from 15 to 250VAC
- Rated operational current of 500 mA



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	High
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-12-11
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	Proximity Switch
Series	IFL
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	2
Contact Material	Silver

Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Nominal Output Voltage DC (V)	4.5
Minimum Actuating Speed (mm/min)	1
Minimum Cable Cross Section (mm ²)	0.25
Minimum Mechanical Life	30000000 Operations
Minimum Positive Break Force (N)	15
No. of Safety Contacts	2
Nominal Output Current (A)	0.2
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	2.5
Rated Insulation Voltage (V)	250
Rated Maximum Operational Voltage AC (V)	250
Rated Minimum Operational Voltage AC (V)	15
Rated Operational Current (A)	0.5
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	Opener (NC)
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	1.5 A

Physical Attributes

Actuator Type	Roller lever H65
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	80
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-25
Minimum Temperature (°C)	-25

Mounting Type	Threaded
Net Weight (g)	30
Storage Temperature (°C)	-25 to 85
Wire Cross-Section	13 AWG

Dimensions

Height (mm)	100
Sensor Height (mm)	75.5
Sensor Length (mm)	38

Protection & Standards

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

Resources

Product catalogue (Flipbook)	Download from here
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