

Product No: 101139037

SCHMERSAL IFL8-18L-11STP INDUCTIVE PROXIMITY SWITCH 101139037

FEATURES

- Inductive proximity switch with a long design
- DC 4-wire connection
- Cylinder shape with ISO thread M18
- Sensing distance of 8 mm
- Equipped with both NO (Normally Open) and NC (Normally Closed) contacts
- Metal enclosure material for durability
- Operating voltage range from 10VDC to 60VDC
- Maximum output current of 400 mA
- Switching frequency of 3500 Hz



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	27-27-26-01
eCl@ss Number, Version 9.0	27-37-12-05
ETIM 6.0	EC002594
ETIM 7.0	EC002544
Housing Construction Form	Norm construction design
Product Type	Proximity Switch
Protection Class of Operating Resource	3
Series	IFL
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	2
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Maximum Actuating Speed (m/s)	2
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Nominal Output Voltage DC (V)	1.5
Minimum Actuating Speed (mm/min)	60
Minimum Cable Cross Section (mm ²)	0.5
Minimum Mechanical Life	5000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	2
Nominal Output Current (A)	0.4
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	500
Rated Maximum Operational Voltage DC (V)	60
Rated Minimum Operational Voltage DC (V)	10
Rated Operational Current (A)	0.4
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	Opener (NC)
Switching Principle	Slow action
Terminal Type	Cable
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.05 A

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Brass
Gross Weight (g)	55
Maximum Ambient Temperature (°C)	90
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30

Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	40
Storage Temperature (°C)	25 to 85
Wire Cross-Section	11 AWG

Dimensions

Height (mm)	100
Sensor Height (mm)	25
Sensor Length (mm)	30

Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 60947-5-1 / EN IEC 60947-5-5 / EN IEC 60947-1

Resources

Product catalogue (Flipbook)	Download from here
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