

Product No: 101139936

SCHMERSAL IFL8-18L-TIP INDUCTIVE PROXIMITY SWITCH 101139936

FEATURES

- Safety sensor with magnet
- Enclosure material: Stainless steel
- Diameter of the actuator: 30 mm
- Width of the actuator: 14 mm
- Part of the Schmersal BP series



Note: Contact symbols shown for the closed condition of the guard device.

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	27-27-06-90
eCl@ss Number, Version 9.0	27-27-26-01
ETIM 6.0	EC002544
ETIM 7.0	EC002887
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
Contact Material	Silver
Maximum Actuating Speed (m/s)	2
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse

Minimum Actuating Speed (mm/min)	1
Minimum Cable Cross Section (mm ²)	0.5
Minimum Mechanical Life	5000000 Operations
Minimum Positive Break Force (N)	16
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	Snap action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.25 A

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	50
Maximum Ambient Temperature (°C)	65
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-30
Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	30
Storage Temperature (°C)	-25 to 70

Wire Cross-Section	11 AWG
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Dimensions

Dimensions (mm)	Ø18W x 79H
Height (mm)	100
Sensor Height (mm)	101.5
Sensor Length (mm)	30
Weight (kg)	0.12

Protection & Standards

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

Resources

Product catalogue (Flipbook)	Download from here
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