

Product No:101141523

SCHMERSAL IFL4-120-10 INDUCTIVE PROXIMITY SWITCH  
101141523

FEATURES

- Solenoid interlock with power to lock feature
- Manual release mechanism included
- Actuating directions: 2
- Auxiliary contacts: 1
- Safety contacts: 1
- Terminal connector type: Connector plug M12, compatible with 4-pole/8-pole (A-coding)
- Contact configuration: 1 Normally Open (NO) contact, 1 Normally Closed (NC) contact
- Thermal test current: 4 A

*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	27-37-12-10
eCl@ss Number, Version 9.0	27-37-12-11
ETIM 6.0	EC000223
ETIM 7.0	EC002593
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 <sup>2</sup> )	2.5
Maximum Fuse Rating	6 A gG D-fuse
Maximum Nominal Output Voltage DC (V)	3.5
Minimum Actuating Speed (mm/min)	1
Minimum Cable Cross Section (mm <sup>2</sup> )	1 x 0.75
Minimum Mechanical Life	20000000 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)	6
Rated Insulation Voltage (V)	250
Rated Maximum Operational Voltage AC (V)	250
Rated Minimum Operational Voltage AC (V)	15
Rated Short-circuit Current (A)	1000
Switching Element	NO contact, NC contact
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	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	50
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
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Wire Cross-Section	13 AWG
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**Dimensions**

Height (mm)	100
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Sensor Height (mm)	84
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Sensor Length (mm)	30
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**Protection & Standards**

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

Product catalogue (Flipbook)	<a href="#">Download from here</a>
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