

## Product No: 101104249

### SCHMERSAL IFL8-18-10P INDUCTIVE PROXIMITY SWITCH 101104249

#### FEATURES

- Position switch with metal enclosure
- Actuating element: Offset roller lever
- Switching element: Opener (NC)
- Thermal test current: 10 A
- Utilisation category AC-15: 230 VAC, 4 A
- Utilisation category DC-13: 24 VDC, 4 A
- IP Rating: IP67 for dust and water resistance
- Operating temperature range from -30 °C to +80 °C



*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	27-37-12-11
eCl@ss Number, Version 9.0	27-27-26-01
ETIM 6.0	EC000030
ETIM 7.0	EC001029
Housing Construction Form	Norm construction design
Product Type	Proximity Switch
Protection Class of Operating Resource	2
Recommended Actuator	MZM 100-B1.1
Recommended Safety Switchgear	SRB 202C   SRB 211AN   SRB 400C   SRB 207AN   SRB-E-301ST   SRB-E-201LC
Series	IFL
Working Principle	Mechanical

#### Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Gold-plated silver (AgNi 15 + Au 0.3µm)
Design of Control Element	Short-circuit proof, p-type
Latching Force (N)	30
Maximum Actuating Speed (m/s)	2
Maximum Bounce Duration (ms)	2
Maximum Cable Cross Section (mm <sup>2</sup> )	1 x 1.5
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 <sup>2</sup> )	0.25
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	19
No. of Safety Contacts	2
Nominal Output Current (A)	0.2
Overvoltage Category	3
Positive Break Travel (mm)	11
Rated Impulse Withstand Voltage (kV)	6
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	NO contact and NC contact (antivalent)
Switching Principle	Snap action
Terminal Type	Screw terminals
Utilisation Category	DC-13   AC-15

## Physical Attributes

Actuator Type	Roller lever
Enclosure Coating Material	Painted
Enclosure Material	Plastic, glass-fibre-reinforced
Gross Weight (g)	75
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	70
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	0
Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	125
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

#### Dimensions

Cable Length (m)	2
Depth (mm)	121
Height (mm)	80
Sensor Height (mm)	100
Sensor Length (mm)	33
Width (mm)	22.5

#### Protection & Standards

Degree of Protection	IP67
Pollution Degree	2
Standards	EN IEC 60947-5-2 / DIN VDE 0660-208

#### Resources

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