

Product No: 101116136

SCHMERSAL IFL50-385-TIP-2130 INDUCTIVE PROXIMITY SWITCH 101116136

FEATURES

- Safety sensor with thermoplastic enclosure
- Features coding for security
- Equipped with 1 opener and 1 shutter
- Includes 2 safety contacts
- Comes with 4 cable wires
- Actuating element is a magnet
- Terminal connector type is cable, with a length of 1 meter
- M30 ISO thread for the sensor
- Switching voltage rated at 100 V AC/DC

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	High
EAN	4030660000000
eCl@ss Number, Version 11.0	27-37-12-13
eCl@ss Number, Version 9.0	27-37-12-13
ETIM 6.0	EC000222
ETIM 7.0	EC000223
Housing Construction Form	Norm construction design
Product Type	Proximity Switch
Protection Class of Operating Resource	3
Recommended Actuator	AZM400-B1
Recommended Safety Switchgear	SRB-E-301ST SRB-E-201LC
Series	IFL
Working Principle	Magnetic drive

Technical Attributes

No. of Auxiliary Contacts	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type
Maximum Actuating Speed (m/s)	0.5
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	16 A gG D-fuse
Maximum Nominal Output Voltage DC (V)	1.5
Maximum Switching Capacity (W)	0.24
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	30000000 Operations
Minimum Positive Break Force (N)	10
No. of Safety Contacts	2
Nominal Output Current (A)	0.4
Overtoltage Category	3
Positive Break Travel (mm)	8
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	500
Rated Maximum Operational Voltage DC (V)	40
Rated Minimum Operational Voltage DC (V)	10
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	Normally open contact (NO)
Switching Principle	Slow action
Terminal Type	Cable
Thermal Test Current (A)	0.25
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.05 A

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	190
Installation Conditions	Arbitrarily
Maximum Ambient Temperature (°C)	70
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-25
Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	3100
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.34 mm

Dimensions

Cable Length (m)	2
Height (mm)	26
Sensor Height (mm)	691
Sensor Length (mm)	60.5
Width (mm)	67.5

Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN ISO 13850

Resources

Product catalogue (Flipbook)	Download from here
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