

## Product No: 101174071

### SCHMERSAL IFL50-385-TIP-M20 INDUCTIVE PROXIMITY SWITCH 101174071

#### FEATURES

- Position switch with metal enclosure
- Actuating element: Roller lever
- Switching elements: 1 NO contact and 1 NC contact
- 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: Actuation from the right should be avoided, since this reduces the mechanical life of the position switch.*

#### General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
EAN	4030660000000
eCl@ss Number, Version 11.0	27-27-06-01
eCl@ss Number, Version 9.0	27-37-12-12
ETIM 6.0	EC001038
ETIM 7.0	EC000225
Housing Construction Form	Block
Product Type	Proximity Switch
Series	IFL
Working Principle	RFID

#### Technical Attributes

Contact Material	Silver
Maximum Actuating Speed (m/s)	2
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5
Maximum Fuse Rating	4 A gG D-fuse to DIN EN 60269-1
Maximum Nominal Output Voltage DC (V)	1.5

Minimum Cable Cross Section (mm <sup>2</sup> )	0.25
Minimum Mechanical Life	20000000 Operations
No. of Safety Contacts	1
Nominal Output Current (A)	0.4
Rated Impulse Withstand Voltage (kV)	2.5
Rated Insulation Voltage (V)	500
Rated Maximum Operational Voltage DC (V)	60
Rated Minimum Operational Voltage DC (V)	10
Rated Short-circuit Current (A)	1000
Switching Element	NO contact, NC contact
Switching Principle	Snap action
Terminal Type	Cable
Utilisation Category	DC-13   AC-15

#### Physical Attributes

Actuator Type	Roller plunger R200
Enclosure Material	Aluminium
Gross Weight (g)	167.39
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	70
Minimum Ambient Temperature (°C)	-15
Minimum Temperature (°C)	-25
Mounting Type	Threaded
Net Weight (g)	800

#### Dimensions

Sensor Height (mm)	90
Sensor Length (mm)	36

#### Protection & Standards

Degree of Protection	IP67
Standards	EN IEC 60947-5-1

## Resources

Product catalogue (Flipbook)

[Download from here](#)

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