

## Product No: 101084080

### SCHMERSAL INDUCTIVE PROXIMITY SWITCH 101084080

*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	27-27-01-01
eCl@ss Number, Version 9.0	27-27-01-01
ETIM 6.0	EC001487
ETIM 7.0	EC002591
Housing Construction Form	Rectangular
Product Type	Proximity Switch
Protection Class of Operating Resource	2
Recommended Actuator	AZ/AZM201-B1   AZ/AZM201-B30
Recommended Safety Switchgear	SRB-E 301
Working Principle	Magnetic drive

#### Technical Attributes

No. of Auxiliary Contacts	1
Assured "OFF" Switching Distance (mm)	20
Assured "ON" Switching Distance (mm)	1
Contact Material	Silver
Design of Control Element	p-type
Integral System Diagnostics Status	Yes
Latching Force (N)	30
Maximum Actuating Speed (m/s)	1
Maximum Bounce Duration (ms)	3

Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	6 A gG D-fuse to DIN EN 60269-1
Maximum Holding Force (N)	2600
Maximum Switching Capacity (W)	1
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	60
Minimum Cable Cross Section (mm <sup>2</sup> )	0.5
Minimum Mechanical Life	20000000 Operations
Minimum Positive Break Force (N)	40
No. of Actuating Directions	3
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	10
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	300
Rated Operating Current (mA)	1200
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	1 NO contact, 1 NC contacts
Switching Principle	slow action, positive break NC contact
Terminal Type	Connector M8, 4-pole, Latching interlocking
Utilisation Category	DC-13   AC-15
Utilisation Category DC-13	0.05 A

### Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Aluminium
Gross Weight (g)	80
Installation Conditions	Quasi-flush
Material of The Cable Mantle	PUR

Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-25
Mounting Type	Rear-side mounting holes
Net Weight (g)	3750
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

### Dimensions

Cable Length (m)	10
Depth (mm)	233.5
Height (mm)	4
Sensor Height (mm)	25
Sensor Length (mm)	30
Width (mm)	165

### Protection & Standards

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

### Resources

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