

## Product No: 101060007

### SCHMERSAL INDUCTIVE PROXIMITY SWITCH, DISTANCE 20mm IFL 20-400-11ZTPG

*Note: If a higher resistance is required, choose safety edge profiles with 20 µm plastic coating. The coating must be submitted to low mechanical loads only.*



#### 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	27-27-01-01
eCl@ss Number, Version 9.0	27-27-01-01
ETIM 6.0	EC002714
ETIM 7.0	EC002714
Housing Construction Form	Rectangular
Product Type	Proximity Switch
Protection Class of Operating Resource	2
Recommended Actuator	BP10   BP 8   BP 6   BP15 SS
Recommended Safety Switchgear	SRB-E 301
Working Principle	Electromechanical

#### Technical Attributes

No. of Auxiliary Contacts	3
Actuating Torque (Nm)	0.15
Actuator Type to EN 50047	A
Assured "OFF" Switching Distance (mm)	10
Assured "ON" Switching Distance (mm)	7
Coding Type	Universal coding

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)	2
Maximum Cable Cross Section (mm <sup>2</sup> )	1 x 1.5
Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	6 A gG D-fuse
Maximum Holding Force (N)	2600
Maximum No-load Supply Current (mA)	50
Maximum Output Current (A)	0.25
Maximum Switching Capacity (VA)	10
Maximum Switching Current (A)	0.01
Minimum Actuating Force (N)	12
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm <sup>2</sup> )	0.75
Minimum Mechanical Life	10000000 Operations
Minimum Positive Break Force (N)	20
No. of Actuating Directions	2
No. of Cable Wires	6
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	11
Rated Control Voltage AC (V)	230
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Operating Current (mA)	12000
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11

Switching Principle	Slow action
Switchover Time	Switchover time in accordance with actuating speed
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13   AC-15

### Physical Attributes

Active Area	Glass-fibre, reinforced thermoplastic
Actuator Type	Magnet
Cable Entry	M20 cable gland
Design	Straight
Enclosure Coating Material	Painted
Enclosure Material	Plastic
Front Ring Material	Aluminium
Gross Weight (g)	225
Installation Conditions	Not flush
Material of The Cable Mantle	PVC
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30
Mounting Type	Mounting flange EFM
Net Weight (g)	7.984
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

### Dimensions

Cable Length (m)	3
Depth (mm)	36
Height (mm)	20
Sensor Height (mm)	97.5
Sensor Length (mm)	36
Width (mm)	165

## Protection & Standards

Degree of Protection	IP67
Pollution Degree	3
Standards	EN IEC 60947-5-1 / EN IEC 60947-1

## Resources

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