

Product No: 101060599

SCHMERSAL INDUCTIVE PROXIMITY SWITCH, DISTANCE 15mm IFL 15-300-10/01YG

Note: Caution! According to EN 60204-1, the versions with connector must only be used in PELV circuits.



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	EC001487
ETIM 7.0	EC002714
Housing Construction Form	Block
Product Type	Proximity Switch
Protection Class of Operating Resource	3
Recommended Actuator	RST16-1 RST-U-2
Recommended Safety Switchgear	SRB-E 301
Working Principle	Magnetic drive

Technical Attributes

No. of Auxiliary Contacts	2
Actuating Torque (Nm)	0.31
Assured "OFF" Switching Distance (mm)	8
Assured "ON" Switching Distance (mm)	1
Contact Material	Silver
Design of Control Element	Short-circuit proof, p-type

Integral System Diagnostics Status	Yes
Latching Force (N)	30
Maximum Actuating Speed (m/s)	0.5
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm ²)	1.5
Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	6 A gG D-fuse
Maximum Holding Force (N)	1500
Maximum No-load Supply Current (mA)	50
Maximum Switching Capacity (W)	120
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	40
No. of Actuating Directions	2
No. of Cable Wires	8
No. of Normally-open Contacts	2
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Travel (mm)	10
Rated Control Voltage AC/DC (V)	24
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	400
Rated Operating Current (mA)	1200
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	30 / 11
Switching Element	NO contact, NC contact
Switching Principle	Slow action
Switchover Time	Switchover time in accordance with actuating speed
Terminal Type	Screw terminals M20 x 1.5

Thermal Test Current (A)	0.25
Utilisation Category	DC-13 AC-15

Physical Attributes

Active Area	Glass-fibre, thermoplastic
Actuator Type	Roller lever
Cable Entry	1x M20
Enclosure Coating Material	Painted
Enclosure Material	Glass-fibre, reinforced thermoplastic
Gross Weight (g)	277
Installation Conditions	Quasi-flush
Material of The Cable Mantle	PUR
Maximum Ambient Temperature (°C)	55
Minimum Ambient Temperature (°C)	-25
Mounting Type	Snaps onto standard DIN rail to EN 60715
Net Weight (g)	52
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.25 mm

Dimensions

Cable Length (m)	10
Depth (mm)	36
Height (mm)	11
Sensor Height (mm)	107
Sensor Length (mm)	71
Width (mm)	10

Protection & Standards

Degree of Protection	IP67
Pollution Degree	2
Standards	EN IEC 60947-5-1

Resources

Product catalogue (Flipbook)

[Download from here](#)
