

Product No: 151153303

SCHMERSAL POSITION SWITCH WITH SAFETY FUNCTION 151153303



General Information

Brand	SCHMERSAL
eCl@ss Number, Version 9.0	27-27-26-03
ETIM 7.0	EC000030
Product Type	Limit Switch

Technical Attributes

No. of Auxiliary Contacts	1
Safety Functions	Yes
Switching Frequency	5000/h
Switchover Time (ms)	5.5ms (Maximum)
Actuating Element	Roller Lever
Contact Material	Silver
Maximum Actuating Speed (m/s)	1
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm ²)	2.5
Maximum Fuse Rating	6 A gG D-fuse
Minimum Actuating Speed (mm/min)	92
Minimum Cable Cross Section (mm ²)	0.75
Minimum Mechanical Life	20000000 Operations
No. of Safety Contacts	1
Positive Break Torque (Nm)	0.185
Rated Impulse Withstand Voltage (kV)	6

Rated Insulation Voltage (V)	500
Rated Operational Current AC-15 (A)	4
Rated Operational Current DC-13 (A)	1
Rated Operational Voltage AC-15 (V)	230V AC
Rated Operational Voltage DC-13 (V)	24V DC
Rated Short-circuit Current (A)	1000
Switching Element	NO Contact, NC Contact
Switching Principle	Snap Action
Termination	Screw Terminals M20 x 1.5
Thermal Test Current (A)	10
Utilisation Category	DC-13

Physical Attributes

Castor Material	Plastic
Housing Material	Plastic, Glass-fibre-reinforced
Lever Material	Plastic
Maximum Ambient Temperature (°C)	80
Minimum Ambient Temperature (°C)	-30

Dimensions

Sensor Height (mm)	109
Sensor Length (mm)	42.5
Sensor Width (mm)	30

Protection & Standards

Degree of Protection	IP67
Standards	EN ISO 13849-1 / EN IEC 60947-5-1 / BG-GS-ET-15
Standards and Approvals	EN IEC 60947-5-1, EN ISO 13849-1

Resources

Product catalogue (Flipbook)	Download from here
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