

Product No: 101160102

SCHMERSAL MD441-11Y-M20 MEDIUM-DUTY POSITION SWITCH 101160102

FEATURES

- Position switch with metal enclosure
- Actuating element: Roller lever
- Switching element: Opener (NC)
- Thermal test current: 10 A
- Utilisation category AC-15: 240 VAC, 4 A
- Utilisation category DC-13: 24 VDC, 1 A
- IP Rating: IP67
- Temperature rating from -30 °C to +80 °C



Note: See figure: Operating principle: key 1-3 in pos. 1. Magnet de-energised: key switch locked, NC closed, key not withdrawable. Key 1-3 in pos. 1. Magnet energised, NC open: key switch unlocked, NC closed, key not withdrawable. Key 1-3 in pos. 2. Magnet energised, NC open: key switch unlocked, NC open, key withdrawable. Triangular tool for manual release in pos. 3: key switch mechanically unlocked, magnet out of service, NC open. Triangular tool for manual release in pos. 4: magnet functional

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	27-37-12-10
eCl@ss Number, Version 9.0	27-37-12-05
ETIM 6.0	EC002593
ETIM 7.0	EC002635
Housing Construction Form	Norm construction design
Product Type	Limit Switch
Series	441 roller lever D
Working Principle	RFID

Technical Attributes

No. of Auxiliary Contacts	2
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Contact Material	Silver
Maximum Actuating Speed (m/s)	1
Maximum Cable Cross Section (mm ²)	2 x 2.5
Maximum Fuse Rating	6 A gG D-fuse
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	40
No. of Safety Contacts	2
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	500
Rated Short-circuit Current (A)	100
Switching Element	NO contact, NC contact
Switching Principle	Slow action
Terminal Type	Screw terminals M20 x 1.5
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	1.5 A

Physical Attributes

Actuator Type	Angle roller lever
Enclosure Material	Plastic, glass-fibre-reinforced
Gross Weight (g)	31250
Maximum Ambient Temperature (°C)	80
Maximum Temperature (°C)	90
Minimum Ambient Temperature (°C)	-25
Minimum Temperature (°C)	-30
Net Weight (g)	255.94
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.5 mm

Dimensions

Sensor Height (mm)	91.5
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Sensor Length (mm)	33
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Protection & Standards

Degree of Protection	IP65
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Standards	EN IEC 61496-1 / EN IEC 61496-2
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Resources

Product catalogue (Flipbook)	Download from here
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