

Product No: 101121828

SCHMERSAL M.441-11Y-1224 BELT ALIGNMENT SWITCH 101121828

FEATURES

- Position switch with metal enclosure
- Actuating element: Offset roller lever
- Switching elements: 1 NO contact and 1 NC contact
- Thermal test current: 10 A
- Utilisation category AC-15: 230 VAC, 4 A
- Utilisation category DC-13: 24 VDC, 4 A
- IP Rating: IP67 for dust and water resistance
- Operating temperature range from -30 °C to +80 °C



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	27-27-06-02
eCl@ss Number, Version 9.0	27-27-06-01
ETIM 6.0	EC000030
ETIM 7.0	EC001020
Housing Construction Form	Norm construction design
Product Type	Belt Alignment Switch
Protection Class of Operating Resource	3
Recommended Safety Switchgear	PROTECT PSC1 SRB-E-301ST SRB-E-201LC
Series	441
Working Principle	Magnetic drive

Technical Attributes

No. of Auxiliary Contacts	4
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
Maximum Switching Capacity (W)	5
Minimum Actuating Speed (mm/min)	600
Minimum Cable Cross Section (mm ²)	0.34
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	40
No. of Safety Contacts	1
Overvoltage Category	3
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	400
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	400
Resistance to Shock (g/ms)	110 / 4 - 30 / 18
Switching Element	1 NO contact, 2 NC contacts
Switching Principle	Slow action
Terminal Type	Connector 8 mm, 6-pole, Latching interlocking
Utilisation Category	DC-13 AC-15
Utilisation Category DC-13	0.25 A

Physical Attributes

Actuator Type	Magnet
Enclosure Coating Material	Painted
Enclosure Material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Gross Weight (g)	80
Installation Conditions	Quasi-flush
Maximum Ambient Temperature (°C)	65
Maximum Temperature (°C)	90
Minimum Ambient Temperature (°C)	0
Minimum Temperature (°C)	-30

Mounting Type	Snaps onto standard DIN rail to EN 60715
Net Weight (g)	200
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	0.34 mm

Dimensions

Height (mm)	69
Sensor Height (mm)	1651
Sensor Length (mm)	60.5
Width (mm)	22.5

Protection & Standards

Degree of Protection	IP65
Explosion Protection Category	3D
Pollution Degree	2
Standards	EN IEC 60947-5-1

Resources

Product catalogue (Flipbook)	Download from here
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