

## Product No: 101057978

### SCHMERSAL ENCLOSED HEAVY DUTY POSITION SWITCH M. 250-11Z-1224

Note: The number in brackets indicate the PIN number of the connector.



#### 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	27-27-06-05
eCl@ss Number, Version 9.0	27-27-06-05
ETIM 6.0	EC000030
ETIM 7.0	EC002714
Housing Construction Form	Norm construction design
No. of Beams	4
Product Type	Limit Switch
Protection Class of Operating Resource	2
Recommended Actuator	BPS 300   BPS 303   BPS 303 SS
Recommended Safety Switchgear	SRB-E 301
Version	Round   Mushroom button
Working Principle	Mechanical

#### Technical Attributes

No. of Auxiliary Contacts	1
Switchover Time (ms)	2
Actuating Torque (Nm)	0.15
Actuator Type to EN 50047	C

Assured "OFF" Switching Distance (mm)	15
Assured "ON" Switching Distance (mm)	5
Bounce Duration	Bounce duration in accordance with actuating speed
Coding Type	Universal coding
Connector Type	Connector plug M12, 4-pole
Contact Material	Silver
Design of Control Element	p-type
Detection Ability for Test Bodies @ V = 1.6 m/s	30 mm
Height of The Protection Field (mm)	1610
Integral System Diagnostics Status	Yes
Latching Force (N)	30
Maximum Actuating Speed (m/s)	2
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm <sup>2</sup> )	2.5
Maximum Electrical Power Consumption (W)	8.5
Maximum Fuse Rating	4 A gG D-fuse
Maximum Holding Force (N)	1300
Maximum Leakage Current (mA)	0.5
Maximum No-load Supply Current (mA)	100
Maximum Output Current (A)	0.2
Maximum Permissible Installation Altitude Above Sea Level (m)	2000
Maximum Protection Field (mm)	12000
Maximum Reaction Time (ms)	20
Maximum Switching Capacity (W)	3
Maximum Switching Current (A)	0.01
Maximum Switching Frequency (Hz)	5
Maximum Switching Voltage DC (V)	75
Minimum Actuating Force (N)	9
Minimum Actuating Speed (mm/min)	336
Minimum Cable Cross Section (mm <sup>2</sup> )	0.25

Minimum Positive Break Force (N)	19
Minimum Protection Field (mm)	300
No. of Actuating Directions	4
No. of Cable Wires	6
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overtoltage Category	3
Positive Break Travel (mm)	2
Rated Control Voltage AC (V)	110
Rated Impulse Withstand Voltage (kV)	6
Rated Insulation Voltage (V)	400
Rated Operating Current (mA)	50
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Switching Element	Normally open contact (NO)
Switching Principle	Snap action
Switchover Time	Switchover time in accordance with actuating speed
Terminal Type	Connector M8, 4-pole, Latching interlocking
Thermal Test Current (A)	25
Tolerance	10%
Utilisation Category	DC-13   AC-15
Wavelength of The Sensor (nm)	880

### Physical Attributes

Active Area	Lateral
Actuator Type	Plunger
Cable Entry	Without cable gland
Colour of The Front Ring	Silver
Design	Straight
Direction of Motion	Head-on to the active surface

Enclosure Coating Material	Painted
Enclosure Material	Light alloy die-casting
Front Ring Material	Aluminium
Gross Weight (g)	210
Installation Conditions	Not flush
Lever Material	Metal film
Material of The Cable Mantle	PVC
Maximum Ambient Temperature (°C)	80
Maximum Relative Humidity	95%
Minimum Ambient Temperature (°C)	-25
Mounting Type	Mounting flange
Net Weight (g)	22.331
Recipient Terminal Connector Type	Connector plug M12, 8-pole
Roller Material	Plastic
Storage Temperature (°C)	-25 to 70
Wire Cross-Section	23 AWG

### Dimensions

Cable Length (m)	1
Depth (mm)	115
Height (mm)	189
Sensor Height (mm)	1411
Sensor Length (mm)	40
Spacing (mm)	70 x 80
Width (mm)	63

### Protection & Standards

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

### Resources



Product catalogue (Flipbook)

[Download from here](#)

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