

Product No: 101027080

SCHMERSAL ACCESSORIES SAFETY HINGE SWITCH 101027080

Note: The opening and closing functions depend on the direction of actuation, the actuating magnets and the polarity of the actuating magnets.

General Information

Brand	SCHMERSAL
Cable Note	All indications including the conductor ferrules.
Coding Level According to EN ISO 14119	Low
EAN	4250120000000
eCl@ss Number, Version 11.0	27-27-06-01
eCl@ss Number, Version 9.0	27-27-06-01
ETIM 6.0	EC000030
ETIM 7.0	EC001487
Housing Construction Form	Cylinder thread
No. of Beams	28
Product Type	Accessory
Protection Class of Operating Resource	3
Recommended Actuator	BPS 33-2326 BPS 33
Recommended Safety Switchgear	SRB-E 301
Version	Toggle
Working Principle	Electromechanical

Technical Attributes

No. of Auxiliary Contacts	1
Switchover Time (ms)	10
Actuating Stroke (mm)	4
Actuating Torque (Nm)	0.31
Actuator Type to EN 50047	B
Assured "OFF" Switching Distance (mm)	15
Assured "ON" Switching Distance (mm)	5

speed

Coding Type	Individual coding, multiple teaching
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)	1450
Integral System Diagnostics Status	Yes
Latching Force (N)	30
Maximum Actuating Speed (m/s)	1
Maximum Bounce Duration (ms)	3
Maximum Cable Cross Section (mm ²)	2.5
Maximum Electrical Power Consumption (W)	10
Maximum Fuse Rating	6 A gG D-fuse
Maximum Holding Force (N)	2550
Maximum Leakage Current (mA)	0.5
Maximum No-load Supply Current (mA)	100
Maximum Output Current (A)	0.25
Maximum Permissible Installation Altitude Above Sea Level (m)	2000
Maximum Protection Field (mm)	12000
Maximum Reaction Time (ms)	20
Maximum Switching Capacity (W)	750
Maximum Switching Current (A)	0.1
Maximum Switching Frequency (Hz)	5
Maximum Switching Voltage AC (V)	100
Minimum Actuating Force (N)	6
Minimum Actuating Speed (mm/min)	10
Minimum Cable Cross Section (mm ²)	0.5
Minimum Mechanical Life	1000000 Operations
Minimum Positive Break Force (N)	40
Minimum Protection Field (mm)	300

No. of Cable Wires	3
No. of Normally-open Contacts	1
No. of Safety Contacts	2
Overvoltage Category	3
Positive Break Torque (Nm)	0.185
Positive Break Travel (mm)	5
Rated Control Voltage DC (V)	24
Rated Impulse Withstand Voltage (kV)	4
Rated Insulation Voltage (V)	300
Rated Operating Current (mA)	500
Rated Short-circuit Current (A)	1000
Resistance to Shock (g/ms)	30 / 11
Slide Form	Sphere
Switching Element	1 NO contact, 1 NC contacts
Switching Principle	Snap action
Switchover Time	Switchover time in accordance with actuating speed
Terminal Type	Screw terminals M20 x 1.5
Tolerance	10%
Utilisation Category	DC-13 AC-15
Utilisation Category AC-15	230 VAC
Utilisation Category DC-13	24 VDC
Voltage Type	DC
Wavelength of The Sensor (nm)	880

Physical Attributes

Active Area	Plastic
Actuator Material	Stainless steel
Actuator Type	Roller lever
Cable Entry	3 x M20 x 1.5
Colour of The Front Ring	Silver
Design	Round

Direction of Motion	Head-on to the active surface
Enclosure Coating Material	Nickel-plated
Enclosure Material	Glass-fibre, reinforced thermoplastic
Front Ring Material	ABS, chrome-plated
Gross Weight (g)	350
Installation Conditions	Quasi-flush
Lever Material	Metal film
Material of The Cable Mantle	PVC
Material of The Operators	Aluminium
Maximum Ambient Temperature (°C)	80
Maximum Relative Humidity	95%
Minimum Ambient Temperature (°C)	-25
Minimum Relative Humidity	30%
Mounting Type	Mounting flange ELM
Net Weight (g)	210
Recipient Terminal Connector Type	Connector plug M12, 12-pole
Roller Material	Plastic
Sealing Type	Form seals / Lip gaskets / Membrane
Storage Temperature (°C)	-25 to 70
Unlocking	Rotating unlatcher
Wire Cross-Section	23 AWG

Dimensions

Cable Length (m)	2
Castor Diameter (mm)	16
Depth (mm)	150
Height (mm)	131
Sensor Height (mm)	100
Sensor Length (mm)	30
Spacing (mm)	40 x 50
Width (mm)	100

Protection & Standards

Degree of Protection	IP67
Explosion Protection Category	3D 3G
Explosion Protection Zones	22 2
Pollution Degree	3
Standards	EN IEC 60947-5-3 / BG-GS-ET-14

Resources

Product catalogue (Flipbook) [Download from here](#)