

S400-M4M12-T Hinge Safety Switch



Basic data

Series S400

Functions

Functions

Locking device without guard interlocking according to ISO 14119, Integration in control circuits up to category 4 in accordance with EN ISO 13849, Mechanical hinge with integrated safety switch

Characteristic parameters

Mission time 20 years, EN ISO 13849-1

B10_d 2,000,000 number of cycles

Electrical data

Usage category at DC 13 Ue 24 V, Ie 2 A, EN 60947-5-1

Usage category at AC 15 Ue 24 V, Ie 2 A, EN 60947-5-1

Contact allocation 2NC + 1NO

Contact opening Force-fit

Short circuit protected 500 V, 2 A, type gG, IEC 60269-1

Technical Data

Rated insulation voltage	30 V AC, 36 V DC
Conventional thermal current, max.	2 A

Connection

Number of connections 1 Piece(s)

Connection 1

Type of connection	Connector
Function	Contact connection
Thread size	M12
Material	Metal
No. of pins	8 -pin

Mechanical data

Design	Cubic
Dimension (W x H x L)	49 mm x 22.5 mm x 100.6 mm
Housing material	Metal, ZAMAK
Electrical contact material	Silver alloy
Net weight	332 g
Housing color	Silver
Type of fastening	Mounting thread, Mounting plate
Side of cable entry	From above (with left installation)
Switch type	Interlock device without guard interlocking, ISO 14119
Switching principle	Slow-action contact
Axial stress	1,500 N·m
Radial stress	1,000 N·m
Torsional stress	25 N·m
Mechanical life time	1,000,000 actuation cycles, IEC 6047-5-1

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Actuation frequency, max.	1,200 per hour, IEC 6047-5-1
Internal actuator	Safety switch in hinge, encapsulated
Actuating path (angle) with forced separation	4 N, From set switching point
Actuation angle, max.	180 °

Environmental data	
Ambient temperature, operation	-25 ... 80 °C
Degree of contamination	3, EN 60947-1

Certifications	
Degree of protection	IP 67, IP 69K

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