

S400-M4M12-B 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
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Conventional thermal current, max.	2 A
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Connection

Number of connections	1 Piece(s)
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Connection 1

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

Design	Cubic
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Dimension (W x H x L)	49 mm x 22.5 mm x 100.6 mm
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Housing material	Metal, ZAMAK
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Electrical contact material	Silver alloy
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Net weight	300 g
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Housing color	Silver
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Type of fastening	Mounting thread, Mounting plate
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Side of cable entry	From below (with left installation)
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Switch type	Interlock device without guard interlocking, ISO 14119
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Switching principle	Slow-action contact
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Axial stress	1,500 N·m
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Radial stress	1,000 N·m
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Torsional stress	25 N·m
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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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