

SAFETY PRODUCTS

JSHD4H2 Three-position dual pushbutton

Product sheet



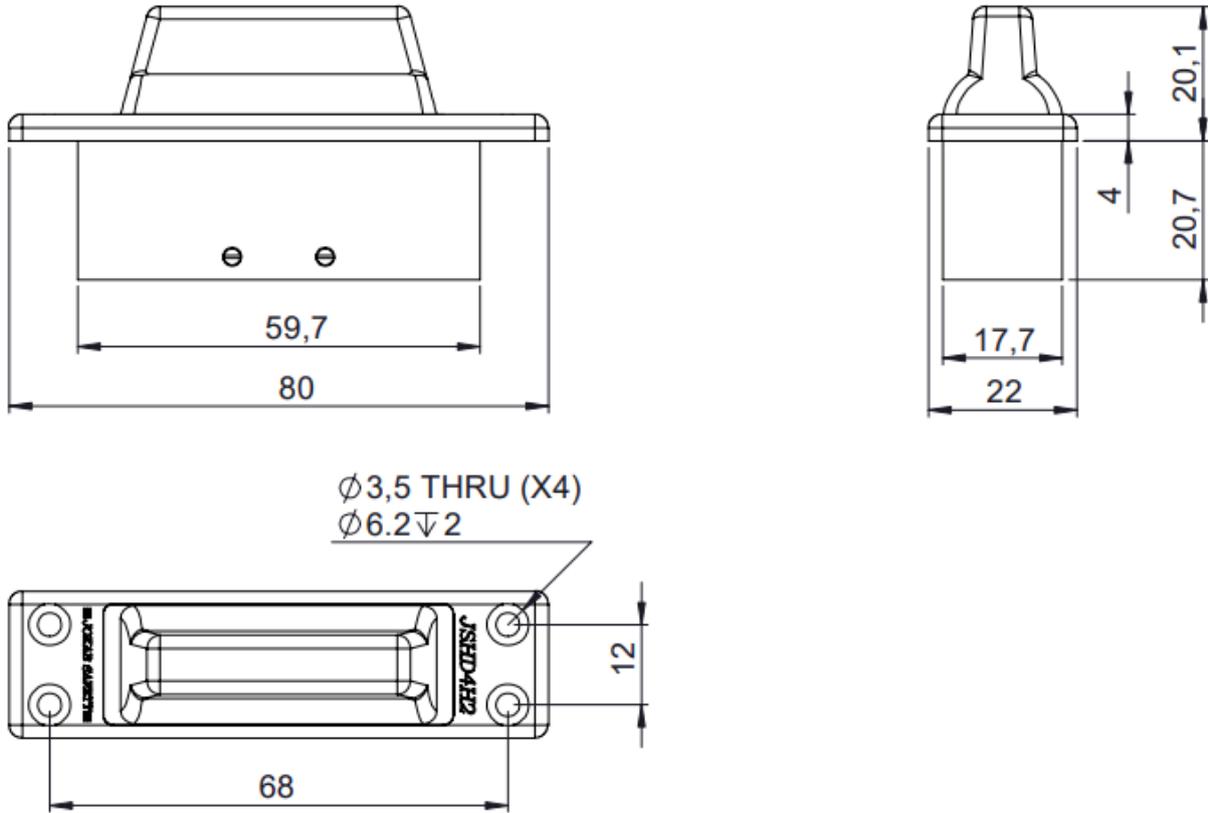
JSJD4H2 is a three-position dual pushbutton for panel mounting or external mounting. Two three-position pushbuttons are integrated in each product for a dual channel. By construction, both pushbuttons are pressed when pressing the black button.

Function

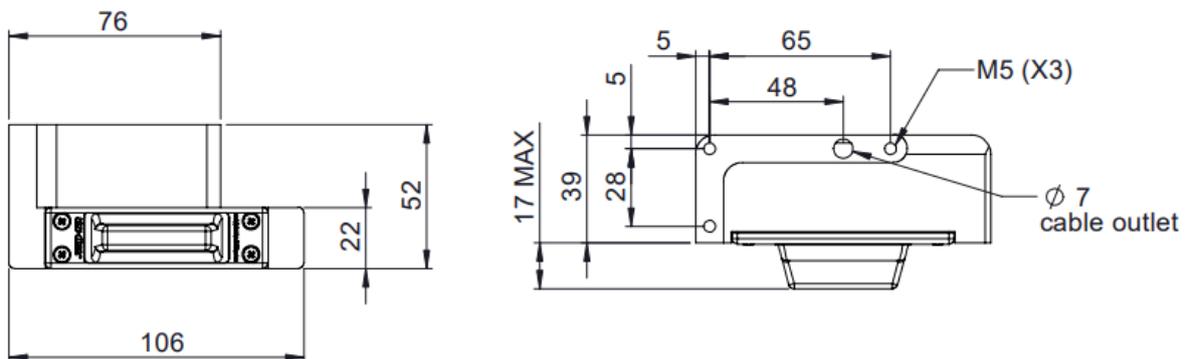
1. Button released, i.e. not pushed: the NO contact of each channel is open, the NC contact is closed.
2. Button pushed to the middle position: the NO contact of each channel is closed, the NC contact is open.
3. Button pushed to its end point: the NO contact of each channel is open, the NC contact is closed.
When released, the contacts go back to position 1, released, without passing position 2.

Dimensions

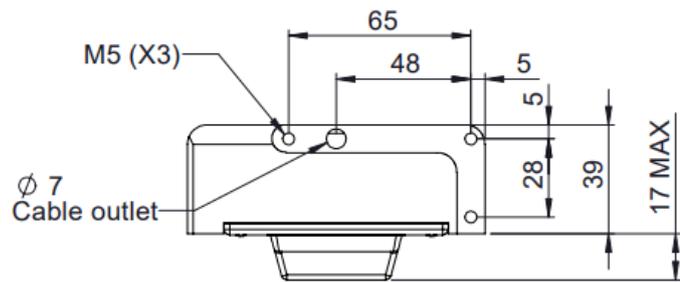
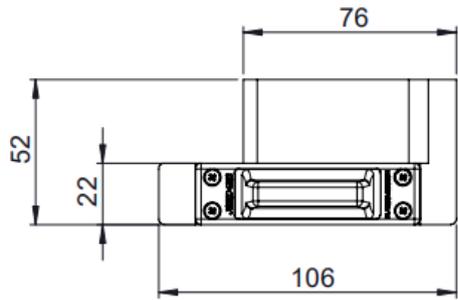
JSHD4H2



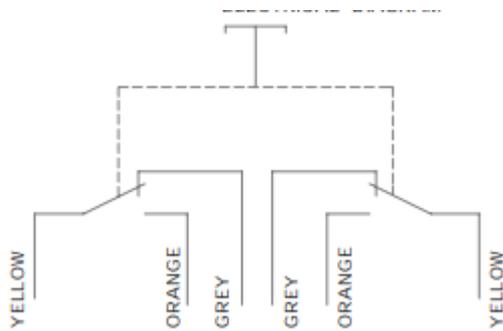
JSHD4H2A



JSHD4H2B



Connection



Model overview

Type	Order code	Mounting type	Connection
JSHD4H2A 0,15m	2TLA020002R0200	External mounting	6x150mm leads
JSHD4H2B 0,15m	2TLA020002R0210	External mounting	6x150mm leads
JSHD4H2 0,15m	2TLA020002R3100	Panel mounting	6x150mm leads
JSHD4H2 1,2m	2TLA020002R4500	Panel mounting	6x1200mm leads



JSHD4H2A



JSHD4H2B



JSHD4H2

Technical data

Manufacturer	
Address	ABB Electrification Sweden AB SE-721 61 Västerås Sweden
Electrical data	
Type of microswitch	Gold-plated
Nominal voltage	24 V DC \pm 10%
Maximum rated current	40 mA
Minimum rated voltage / current	10 V DC, 8 mA
Insulation resistance	20 M Ω min.
Contact resistance	25 M Ω max.
Connection	Number and length of leads depending on model. See "Model overview"
Leads	Section: 0.22 mm ² (7x0.20mm), tinned copper. AWG 24
Insulation	0.25 mm PVC (UL 1061)
Mechanical data	
Actuator force	Top to middle position: Approx. 9 N, top to middle position Middle to bottom position: Approx. 43 N, middle to bottom position
Actuator stroke	Top to middle position: Approx. 2.5 mm Top to bottom position: Approx. 7 mm
Mechanical service life	Top to middle position: 10 ⁶ cycles Middle to bottom position: 10 ⁵ cycles
Dimensions	See drawings
Material	Housing: PP (polypropylene) Handgrip: POM (polyoxymethylene) Rubber: TPE (thermoplastic elastomer)
Environmental data	
Enclosure protection class	IP54
Ambient temperature	0 ... 50 °C (operation) -20 ... 85 °C (storage)
Humidity	R _H 80% max.

Safety / Harmonized Standards

Conformity, EU	2006/42/EC – Machines 2014/30/EU – EMC 2011/65/EU – RoHS II + 2015/863
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Used harmonized standards	EN ISO 12100-1:2010, EN ISO 13849-1:2015, EN 60204-1:2018, EN 61000-6-2:2005, EN 61000-6-3:2007
EN ISO 13849-1:2016	B _{10d} : 2 000 000 (to midpoint) B _{10d} : 968 000 (to end point)

Certifications	Kiwa, UL Recognized
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Information for use in UK

Importer address	ABB Ltd Tower Court, Coutaulds Way Foleshill Enterprise Park, Coventry CV6 5NX, United Kingdom
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Conformity, UK	2008 No. 1597 – Supply of Machinery (Safety) Regulations (MD) 2016 No. 1091 – Electromagnetic Compatibility Regulations (EMC) 2012 No. 3032 – Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations (RoHS)
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Information for use in USA/Canada (UL)

Applications	NFPA 79
Electrical supply	Class 2 power source only
Overall current consumption	40 mA max
Enclosure	Type 1

EC Declaration of conformity

UK Declaration of conformity

Note

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