Safety position switch, LS(4)...ZB, Safety position switches, Complete unit, 2 NC, Insulated material, Cage Clamp, -25 - +70 °C



Part no. LS-02-ZB

106817

**EL Number** 

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General specifications	
Product name	Eaton Moeller® series LS Safety position switch
Part no.	LS-02-ZB
EAN	4015081066308
Product Length/Depth	30 millimetre
Product height	95 millimetre
Product width	30 millimetre
Product weight	0.08 kilogram
Certifications	UL 508 CSA-C22.2 No. 14 IEC/EN 60947 UL IEC/EN 60947-5 CSA File No.: 012528 UL File No.: E29184 UL Category Control No.: NKCR CSA CSA CIass No.: 3211-03 CE
Product Tradename	LS
Product Type	Safety position switch
Product Sub Type	None
Catalog Notes  Features & Functions	Accessories for the Cage-Clamp terminals from Wago:power comb, gray, Wago Article No. 264-402 Cage-Clamp is a registered trademark of Wago Kontakttechnik, 32432 Minden, Germany Contacts with safety function, by positive opening to IEC/EN 60947-5-1 For degree of protection IP65, use V-M20 (206910) cable glands with connecting thread of max. 9 mm length. The operating heads can be turned manually in 90° steps to suit the specified level of actuation. With the actuator inserted, the N/O contact is open and the N/C contact is closed. With the actuator inserted, the N/O contact is open and the NC contact is closed.
Electric connection type	Cable entry metrical
Enclosure material	Insulated material Plastic
Features Switch function type	Forced opening  Slow-action switch
,,	Siow-action Switch
General information	
Connection type	Cage Clamp
Degree of protection	IP66 NEMA Other
Lifespan	1,500,000 mechanical Operations
Operating frequency	1800 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	Safety position switches
Rated impulse withstand voltage (Uimp)	4000 V AC
Repetition accuracy	0.15 mm (Contacts/switching capacity)
Suitable for	Safety functions
Туре	Position switch Safety position switch
Ambient conditions, mechanical	
Mounting position	As required Vertical Horizontal

25 g, Standard-action contact, Mechanical, Half-sinusoidal shock 20 ms
-25 °C
70 °C
Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
25007 0007 07007 0000 0000
1 x (0.5 - 1.5) mm <sup>2</sup>
2 x (0.5 - 1.5) mm <sup>2</sup> 1 x (0.5 - 1.5) mm <sup>2</sup>
2 x (0.5 - 1.5) mm <sup>2</sup>
PH1, Terminal screw
0.4 Nm, Screw terminals
1 kA
400 V
6 A
10 A
4 A
0.6 A
0.8 A
0.3 A
3 A
Max. 6 A gG/gL, Fuse, Contacts
Max. 400 Hz, Contacts
10 N/5 N (plug-in/pull-out)
Other
0
2
0
None
None
0 W
0 W
0.17 W
6 A
0 W
Meets the product standard's requirements.
Does not apply, since the entire switchgear needs to be evaluated.
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Is the panel builder's responsibility.

10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material	Is the panel builder's responsibility.
10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

## **Technical data ETIM 9.0**

Sensors (EG000026) / End switch (EC000030)

Electric engineering, automation, process control engineering / Sensor technology, safety-related sensor technology / Safety-related mechanical switch (sensor technology) / Safety position switch (Type 1) (ecl@ss13-27-27-26-01 [AKE640018])

SWILCH (Type 1) (eci@\$\$15-27-20-01 [AKE040010])		
Width sensor	mm	30
Diameter sensor	mm	0
Height of sensor	mm	96
Length of sensor	mm	33.35
Rated operation current le  at AC-15, 24 V	Α	10
Rated operation current le at AC-15, 125 V	Α	6
Rated operation current le at AC-15, 230 V	Α	6
Rated operation current le  at DC-13, 24 V	Α	3
Rated operation current le  at DC-13, 125 V	Α	0.8
Rated operation current le at DC-13, 230 V	Α	0.3
Switching function		Slow-action switch
Switching function latching		No
Output electronic		No
Forced opening		Yes
Number of safety auxiliary contacts		0
Number of contacts as normally closed contact		2
Number of contacts as normally open contact		0
Number of contacts as change-over contact		0
Type of interface		None
Type of interface for safety communication		None
Construction type housing		Cuboid
Housing material		Plastic
Coating housing		Other
Type of control element		Other
Alignment of the control element		Other
Type of electric connection		Cable entry metrical
With status indication		No
Suitable for safety functions		Yes
Explosion safety category for gas		None
Explosion safety category for dust		None
Ambient temperature during operating	°C	-25 - 70
Degree of protection (IP)		IP66
Degree of protection (NEMA)		Other