DATASHEET - LS-S11D

Position switch, Rounded plunger, Basic device, expandable, 1 N/O, 1 NC (late-break), Screw terminal, Yellow, Insulated material, -25 - +70 °C



Part no.	LS-S11D
	106791
EL Number	4315209
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series LS Position switch
Part no.	LS-S11D
EAN	4015081065585
Product Length/Depth	33.5 millimetre
Product height	76.5 millimetre
Product width	31 millimetre
Product weight	0.053 kilogram
Certifications	UL Category Control No.: NKCR CSA UL UL File No.: E29184 UL 508 IEC/EN 60947 IEC/EN 60947-5 CSA-C22.2 No. 14 CSA File No.: 012528 CSA Class No.: 3211-03 CE
Product Tradename	LS
Product Type	Position switch
Product Sub Type	None
Catalog Notes	Contacts with safety function, by positive opening to IEC/EN 60947-5-1
Features & Functions	
Electric connection type	Cable entry metrical
Enclosure color	Yellow Cover
Enclosure material	Plastic Insulated material
Features	Forced opening Positive opening Expandable
Switch function type	Slow-action switch
General information	
Connection type	Screw terminal
Degree of protection	IP66/IP67 NEMA Other
Lifespan	8,000,000 mechanical Operations
Operating frequency	6000 Operations/h
Overvoltage category	
Pollution degree	3
Product category	Rounded plunger
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
Shock resistance	25 g, Standard-action contact, Mechanical, Half-sinusoidal shock 20 ms
Temperature resistance	100 °C, Contact temperature of roller head
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C

Image: Initial stands	Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
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10.9.2 Power-frequency electric strength Is the panel builder's responsibility.		
	10.9.2 Power-meduency electric strength 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]) Width sensor mm 0

Height of sensor Imm Bill Langht of sensor NM 3.5 Bade operation current te at AC-15, 24 V A 6 Bade operation current te at AC-15, 23 V A 8 Bade operation current te at AC-15, 23 V A 8 Bade operation current te at AC-15, 23 V A 8 Bade operation current te at AC-13, 23 V A 8 Switching function S S Switching function A 8 Output electronic A Non-action switch Switching function Y Non-action switch Number of contacts as normally coles contact Y Non-Action switch Number of contacts as normally coles contact Y Non-Action switch Number of contacts as normally coles contact Y Non-Action switch Number of contacts as normally coles contact Y Non-Action switch Number of contacts as normaly coles contact Y Non-Action switch Number of contacts as normaly coles contact Y Non-Action switch Number of contacts as normaly coles contact <th></th> <th></th> <th></th>			
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And operation current le at AC 15, 24 V A 6 Rated operation current le at AC 15, 25 V A 6 Rated operation current le at AC 15, 28 V A 6 Rated operation current le at DC 13, 28 V A 8 Rated operation current le at DC 13, 28 V A 8 Switching function A 8 Switching function A 8 Output electonic No No Number of contacts as normally closed contact No No Number of contacts as normally closed contact Y No Number of contacts as normally closed contact Y No Number of contacts as normally closed contact Y No Number of contacts as normally closed contact Y No Number of contacts as normally closed contact Y No Number of contacts as normally closed contact Y No Number of contacts as change-vever contact Y No Contact contact contact (Contact se change-vever contact Y No Number of contact se change-vever contact No	Height of sensor	mm	61
Aread operation current leat AC-15, 125 V A 6 Rated operation current leat AC-15, 230 V A 8 Rated operation current leat DC-13, 24 V A 8 Rated operation current leat DC-13, 25 V C A Rated operation current leat DC-13, 25 V C A Switching function B B B Switching function B <td>Length of sensor</td> <td>mm</td> <td>33.5</td>	Length of sensor	mm	33.5
Rated operation current Leat AC-15, 230 V A 6 Rated operation current Leat DC-13, 125 V A 0 Rated operation current Leat DC-13, 125 V C A Switching function Switching function Switching function Switching function Switching function Noneaction switching function Output electronic Noneaction switching function Noneaction switching function Number of safety susiliary contacts Noneaction Noneaction Number of contacts as normally oper contact Noneaction Noneaction Number of contacts as normally contacts Noneaction Noneaction Type of interface Voloid Noneaction Noneaction Type of interface for safety communication None Noneaction None Type of interface for safety communication None None None Nation for safety functions None None None None State for safety communication None None <t< td=""><td>Rated operation current le at AC-15, 24 V</td><td>А</td><td>6</td></t<>	Rated operation current le at AC-15, 24 V	А	6
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Anter operation current le at DC-13,230 V Image: A (Comparison of Comparison of Co	Rated operation current le at DC-13, 24 V	А	3
Switching functionImage: Barling of the sector	Rated operation current le at DC-13, 125 V	А	0.8
Number of contacts as normally closed contactImage: Section of Contacts as change-over contactsImage: Section of Cont	Rated operation current le at DC-13, 230 V	А	0.3
Output dectronic Image: Second Se	Switching function		Slow-action switch
Focad opening Verify Number of safety auxiliary contacts I Number of contacts as normally closed contact I Number of contacts as normally open contact I Number of contacts as change-over contact I Type of interface I Type of interface for safety communication I Construction type housing Verify Housing material I Control element I Alignment of the control element I Suitable for safety functions I Explosion safety category for gats I Suitable for safety functions I	Switching function latching		No
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Number of contacts as normally open contact Image: Provide the state	Number of safety auxiliary contacts		1
Number of contacts as change-over contactImage: space of protection (IP)Image: space of prot	Number of contacts as normally closed contact		1
Type of interface Mome Type of interface for safety communication Mome Construction type housing Mome Housing material Mome Coating housing Mome Type of control element Mome Alignment of the control element Mome Type of electric connection Mome With status indication Mome Suitable for safety functions Mome Explosion safety category for gas Mome Anbient temperature during operating Mome Mather temperature during operating Mome Mome Mome Appender for during operating Mome	Number of contacts as normally open contact		1
Type of interface for safety communication Image: Selection of the control element Image: Selection of the control	Number of contacts as change-over contact		0
Construction type housing Image: Section of the se	Type of interface		None
Housing material File Plastic Coating housing Other Type of control element Plunger Alignment of the control element Plunger Type of electric connection Plunger With status indication Plunger Suitable for safety functions Plunger Explosion safety category for gas Plunger Ambient temperature during operating Plunger Plunger	Type of interface for safety communication		None
Coating housing Other Type of control element Plunger Alignment of the control element Roller cam straight Type of electric connection Cable entry metrical With status indication No Suitable for safety functions Yes Explosion safety category for gas None Ambient temperature during operating Cable of the control element Suitable for safety category for (Mst None Ambient temperature during operating Cable of the control element	Construction type housing		Cuboid
Type of control elementPlungerAlignment of the control elementFoller cam straightType of electric connectionFoller cam straightWith status indicationCable entry metricalSuitable for safety functionsFollerExplosion safety category for gasFollerExplosion safety category for dustNoneAmbient temperature during operating°CSuitable for protection (IP)Foller	Housing material		Plastic
Alignment of the control element Roller cam straight Type of electric connection Cable entry metrical With status indication No Suitable for safety functions Yes Explosion safety category for gas None Ambient temperature during operating °C Pagee of protection (IP) Geole (P)	Coating housing		Other
Type of electric connection Cable entry metrical With status indication No Suitable for safety functions Yes Explosion safety category for gas None Ambient temperature during operating °C Pagee of protection (IP) Foe/IP67	Type of control element		Plunger
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) Image: Page of protection (IP) Image: Page of protection (IP)	Alignment of the control element		Roller cam straight
Suitable for safety functionsYesExplosion safety category for gasNoneExplosion safety category for dustNoneAmbient temperature during operating°CPegree of protection (IP)Solor	Type of electric connection		Cable entry metrical
Explosion safety category for gasNoneExplosion safety category for dustNoneAmbient temperature during operating°C-25 - 70Degree of protection (IP)IP66/IP67	With status indication		No
Explosion safety category for dust None Ambient temperature during operating °C -25 - 70 Degree of protection (IP) Image: Constraint of the second of the sec	Suitable for safety functions		Yes
Ambient temperature during operating °C -25 - 70 Degree of protection (IP) IP66/IP67	Explosion safety category for gas		None
Degree of protection (IP)	Explosion safety category for dust		None
	Ambient temperature during operating	°C	-25 - 70
Degree of protection (NEMA) Other	Degree of protection (IP)		IP66/IP67
	Degree of protection (NEMA)		Other