Position switch, Rounded plunger, Basic device, expandable, 1 N/0, 1 NC, Screw terminal, Yellow, Insulated material, -25 - +70 $^{\circ}$ C, EN 50047 Form B, version A



Part no. LS-S11A

116705

EL Number 4315228

(Norway)

(Norway)	
	F. W. B. O. J. 100 W. J. 1
Product name	Eaton Moeller® series LS Position switch
Part no.	LS-S11A
EAN	4015081164509
Product Length/Depth	33.5 millimetre
Product height	76.5 millimetre
Product width	31 millimetre
Product weight	0.048 kilogram
Compliances	CE Marked
Certifications	EN 60947-5 IEC 60947-5 UL 508 CSA Std. C22.2 No. 14 CSA-C22.2 No. 14 CE UL UL File No.: E29184 CSA CSA File No.: 012528 UL Category Control No.: NKCR IEC/EN 60947 CSA Class No.: 3211-03 IEC/EN 60947-5
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
Design	EN 50047 Form B
Electric connection type	Cable entry metrical
Enclosure color	Yellow Cover
Enclosure material	Plastic Insulated material
Features	Positive opening Expandable Forced opening
Material	Plastic housing
Switch function type	Slow-action switch
Connection type	Screw terminal
Degree of protection	IP66/IP67
Dograd of protection	NEMA Other
Lifespan	8,000,000 mechanical Operations
Operating frequency	6000 Operations/h
Overvoltage category	III
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
Manustranovskia	As assistant
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
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Terminal capacity (flexible with ferrule)	1 x (0.5 - 1.5) mm ²
Terminal capacity (solid)	1 x (0.5 - 2.5) mm ²
Rated conditional short-circuit current (Iq)	1 kA
Rated insulation voltage (Ui)	400 V
Rated operational current (Ie) at AC-15, 220 V, 230 V, 240 V	6 A
Rated operational current (le) at AC-15, 24 V	6 A
Rated operational current (le) at AC-15, 380 V, 400 V, 415 V	4 A
Rated operational current (le) at DC-13, 110 V	0.6 A
Rated operational current (Ie) at DC-13, 125 V	0.8 A
Rated operational current (Ie) at DC-13, 220 V, 230 V	0.3 A
Rated operational current (Ie) at DC-13, 24 V	3 A
Short-circuit protection rating	Max. 6 A gG/gL, Fuse, Contacts
Supply frequency	Max. 400 Hz, Contacts
Actuating force at beginning/end of stroke	1.0 N/8.0 N
Actuating torque of rotary drives	0.2 N⋅m
Actuator type	Plunger
Operating speed	For angle of actuation $\alpha = 0^{\circ}/30^{\circ}$
	Max. 1/0.5 m/s (with DIN cam, mechanical actuation)
Control circuit reliability	1 failure per 10,000,000 switching operations (Statistically determined, at 24 V Di mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1
Number of contacts (change-over contacts)	mA) 0
	1
Number of contacts (normally closed contacts)	
Number of contacts (normally open contacts)	1
Explosion safety category for gas	None
Explosion safety category for dust	None
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0.17 W
Rated operational current for specified heat dissipation (In)	6 A
Static heat dissipation, non-current-dependent Pvs	0 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions	Meets the product standard's requirements.
10.3 Degree of protection of assemblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances	Meets the product standard's requirements.
10.5 Protection against electric shock	Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.

10.7 Internal electrical circuits and connections	Is the panel builder's responsibility.
10.8 Connections for external conductors	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 8.0

Sensors (EG000026) / End switch (EC000030)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Safety-related position switch / Safety position switch (Type 1) (ecl@ss10.0.1-27-27-26-01 [AKE640013])

Diameter sensor mm 0 Height of sensor mm 61 Length of sensor mm 33-5 Rated operation current le at AC-15, 24 V A 6 Rated operation current le at AC-15, 220 V A 6 Rated operation current le at DC-13, 24 V A 3 Rated operation current le at DC-13, 220 V A 3 Rated operation current le at DC-13, 220 V A 0 Rated operation current le at DC-13, 220 V A 0 Rated operation current le at DC-13, 220 V A 0 Rated operation current le at DC-13, 220 V A 0 Rated operation current le at DC-13, 220 V A 0 Switching function facthing No No Output electronic V Y Section switch Forced operation V Y Section switch Number of contacts as normally closed contact V Y Section switch Number of contacts as normally open contact V Y None Uppe of interface V	(eci@ss10.0.1-27-27-20-01 [ARE040013])			
Height of sensor	Width sensor	ı	mm	31
Length of sensor mm 33.5 Rated operation current le at AC-15, 24 V A 6 Rated operation current le at AC-15, 125 V A 6 Rated operation current le at AC-15, 230 V A 3 Rated operation current le at DC-13, 24 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Rated operation current le at DC-13, 25 V A 0.8 Witching function Ves 1 Number of contacts as on omally closed contact 0.0<	Diameter sensor	r	mm	0
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Rated operation current le at DC-13, 24 V A 0.8 Rated operation current le at DC-13, 125 V A 0.8 Rated operation current le at DC-13, 230 V A 0.3 Switching function Switching function latching No	Rated operation current le at AC-15, 125 V	,	A	6
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Alignment of the control element Type of electric connection With status indication Suitable for safety functions Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating Degree of protection (IP) Roller cam straight Cable entry metrical No No No No Yes No	Coating housing			Other
Type of electric connection Cable entry metrical No Suitable for safety functions Explosion safety category for dust Ambient temperature during operating Degree of protection (IP) Cable entry metrical No No Yes No Yes None None Pege 2-25 - 70 IP66/IP67	Type of control element			Plunger
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Explosion safety category for gas Explosion safety category for dust Ambient temperature during operating CC -25 - 70 Degree of protection (IP) None 1P66/IP67	With status indication			No
Explosion safety category for dust Ambient temperature during operating °C -25 - 70 Degree of protection (IP) IP66/IP67	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) IP66/IP67	Explosion safety category for dust			None
	Ambient temperature during operating	c	°C	-25 - 70
Degree of protection (NEMA) Other	Degree of protection (IP)			IP66/IP67
	Degree of protection (NEMA)			Other