Position switch, Actuating rod, Complete unit, 1 N/O, 1 NC, Snap-action contact - Yes, Cage Clamp, Yellow, Insulated material, -25 - +70  $^{\circ}$ C



Part no. LS-11S/RR

266106

EL Number (Norway) 4356033

(Notway)	
General specifications	
Product name	Eaton Moeller® series LS Position switch
Part no.	LS-11S/RR
EAN	4015082661069
Product Length/Depth	33.5 millimetre
Product height	140 millimetre
Product width	31 millimetre
Product weight	0.078 kilogram
Certifications	CE
Product Tradename	LS
Product Type	Position switch
Product Sub Type	None
Catalog Notes	The operating head can be rotated 90° to enable adaptation to the specified approach direction
Features & Functions	
Electric connection type	Cable entry metrical
Enclosure color	Yellow Cover
Enclosure material	Insulated material Plastic
Features	Snap-action contact Forced opening Positive opening
Switch function type	Quick-break switch
General information	
Connection type	Cage Clamp
Degree of protection	IP66/IP67 NEMA Other
Lifespan	8,000,000 mechanical Operations
Operating frequency	6000 Operations/h
Overvoltage category	III
Pollution degree	3
Product category	Actuating rod
Rated impulse withstand voltage (Uimp)	4000 V AC
Repetition accuracy	0.15 mm (Contacts/switching capacity)
Suitable for	Safety functions
Туре	Safety position switch
Ambient conditions, mechanical	
Mounting position	As required
Shock resistance	25 g, Standard-action contact, Mechanical, Half-sinusoidal shock 20 ms
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30

Townia I canadida	Damp heat, constant, to IEC 60068-2-78
Terminal capacities	4 (05 45) 2
Terminal capacity (flexible with ferrule)	1 x (0.5 - 1.5) mm <sup>2</sup>
Terminal capacity (solid)	1 x (0.5 - 2.5) mm <sup>2</sup>
Electrical rating	
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 (Ie) at AC-15, 24 V	6 A
Rated operational current (Ie) at AC-15, 380 V, 400 V, 415 V	4 A
Rated operational current (Ie) 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
Actuator	
Actuating force at beginning/end of stroke	1.0 N/8.0 N
Actuating torque of rotary drives	0.2 N·m
Actuator type	Actuating rod
Operating speed	L = 130 mm Max. 1.5 m/s (with DIN cam, mechanical actuation)
Contacts	
Control circuit reliability	1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC, mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1
	mA)
Number of contacts (change-over contacts)	0
Number of contacts (normally closed contacts)	1
Number of contacts (normally open contacts)	1
Safety	
Explosion safety category for gas	None
Explosion safety category for dust	None
Design verification	
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 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) (ac)@s13-27-27-26-01 [AKEA0018])

Sameter sensor   mm   0   1   1   1   1   1   1   1   1   1	Electric engineering, automation, process control engineering / Sensor technology, safety switch (Type 1) (ecl@ss13-27-27-26-01 [AKE640018])	y-reialeu sensor te	reminiongy / Sarety-related mechanical switch (sensor technology) / Sarety position
Imm   Silent of sensor   Imm   Silent of sen	Width sensor	mm	31
one of sensor         mm         33.5           lated operation current le at AC-15, 28 V         A         6           lated operation current le at AC-15, 28 V         A         6           lated operation current le at AC-15, 28 V         A         6           lated operation current le at DC-13, 24 V         A         3           lated operation current le at DC-13, 25 V         A         0.8           lated operation current le at DC-13, 280 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         A         0.3           lated operation current le at DC-13, 290 V         0.3         0.3           lated operation current le at DC-13, 2	Diameter sensor	mm	0
Asterd operation current le at AC-15, 24 V         A         6           Asterd operation current le at AC-15, 25 V         A         6           Asterd operation current le at AC-15, 230 V         A         3           Asterd operation current le at DC-13, 230 V         A         0.8           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3           Asterd operation current le at DC-13, 230 V         A         0.3	Height of sensor	mm	61
As ted operation current le at AC-15, 125 V A 6 6 A 7 8 6 A 8 6 6 A 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Length of sensor	mm	33.5
A   6	Rated operation current le at AC-15, 24 V	Α	6
Asted operation current le at DC-13, 24 V All de do peration current le at DC-13, 25 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de do peration current le at DC-13, 230 V All de	Rated operation current le at AC-15, 125 V	Α	6
As taked operation current le at DC-13, 125 V A D D.3 As taked operation current le at DC-13, 230 V A D D.4 As taked operation levels which is a taked operation levels of DC-13, 230 V A D D.4 As taked operation current le at DC-13, 230 V A D D.4 As taked operation levels which is a taked operation levels which is a taked operation levels op	Rated operation current le at AC-15, 230 V	Α	6
A 0.3 A Duick-break switch A D	Rated operation current le at DC-13, 24 V	Α	3
Switching function latching Sw	Rated operation current le at DC-13, 125 V	Α	0.8
switching function latching butput electronic butput electronic butput of safety auxiliary contacts butput of contacts as normally closed contact butput of contacts as normally closed contact butput of contacts as normally open contact butput of contacts as normally open contact butput of contacts as normally open contact butput of contacts as change-over contact butput of contacts as contacts as contacts butput of contacts as c	Rated operation current le at DC-13, 230 V	Α	0.3
Author of safety auxiliary contacts Author of safety auxiliary contacts Author of contacts as normally closed contact Author of contacts as normally open contact Author of contacts as normally open contact Author of contacts as change-over contact Author of contacts as normally closed as change-over contact Author of conta	Switching function		Quick-break switch
Forced opening Aumber of safety auxiliary contacts Aumber of contacts as normally closed contact Aumber of contacts as normally open contact Aumber of contacts as change-over contact Aumber of contacts as normally open contact Aumber of contacts as normally closed conta	Switching function latching		No
Aumber of safety auxiliary contacts Aumber of contacts as normally closed contact Aumber of contacts as normally open contact Aumber of contacts as normally open contact Aumber of contacts as change-over contact Aumber of contacts as normally open contacts	Output electronic		No
Aumber of contacts as normally closed contact  Aumber of contacts as normally open contact  Aumber of contacts as change-over contact  Aumber of contacts as normally open contact  Aumber of contacts as change open contact  Aumber of contacts a	Forced opening		Yes
Aumber of contacts as normally open contact Aumber of contacts as change-over contact Average of interface Average of control effect or safety communication Autority of the control effect of	Number of safety auxiliary contacts		1
Aumbier of contacts as change-over contact  Vipe of interface Vipe of interface for safety communication  Vipe of control lement  Vipe of control element  Vipe of control element  Vipe of electric connection  Vift status indication  Vift status indication  Vipe of safety category for gas  Vipe of safety category for dust  Vipe of safety category for dust  Vipe of electric consection  Vipe of electric connection  No  Cable entry metrical  No  No	Number of contacts as normally closed contact		1
ype of interface ype of interface for safety communication None Construction type housing Coating housing Coating housing Ype of control element Vipe of control element Vipe of electric connection Vith status indication Vith stat	Number of contacts as normally open contact		1
None Construction type housing Coutoid	Number of contacts as change-over contact		0
Construction type housing Adousing material Adousing material Adousing material Adousing housing Actuating housing Actuating rod	Type of interface		None
Housing material  Coating housing  Coating housing  Other  Other  Actuating rod  Actuating rod  Roller cam crossed  Cable entry metrical  No  Suitable for safety functions  Explosion safety category for gas  Ambient temperature during operating  Other  Other  Actuating rod  Roller cam crossed  Cable entry metrical  No  Yes  None  None  None  Plastic  Other  Actuating rod  Roller cam crossed  Cable entry metrical  No  Yes  Explosion safety functions  Yes  Anne  Anne  Anne  Anne  None  Plastic  Other	Type of interface for safety communication		None
Coating housing  Coating housing  Other  Other  Actuating rod  Actuating rod  Actuating rod  Actuating rod  Actuating rod  Cable entry metrical  Cable entry metrical  No  Suitable for safety functions  Suitable for safety category for gas  Explosion safety category for dust  Ambient temperature during operating  Actuating rod  Actuating rod  Cable entry metrical  No  Yes  No  Yes  None  Anno  None  Anno  None  Anno  None	Construction type housing		Cuboid
Actuating rod Alignment of the control element Actuality of the control element Alignment of the co	Housing material		Plastic
Alignment of the control element  Cable entry metrical  No  No  Yes  Explosion safety functions  Annue  Annue  Annue  Annue  Annue  Annue  Cable entry metrical  No  Yes  No  Yes  None  None  None  None  Annue	Coating housing		Other
Cable entry metrical  With status indication  No  Suitable for safety functions  Explosion safety category for gas  Ambient temperature during operating  Pegree of protection (IP)  Cable entry metrical  No  Yes  No  Yes  None  Cable entry metrical  No  Yes  Yes  None  IP66/IP67	Type of control element		Actuating rod
With status indication  No Suitable for safety functions  Explosion safety category for gas  Explosion safety category for dust  Ambient temperature during operating  Occ -25 - 70  Degree of protection (IP)  No	Alignment of the control element		Roller cam crossed
Suitable for safety functions  Explosion safety category for gas  Ambient temperature during operating  Oegree of protection (IP)  Yes  None  None  1	Type of electric connection		Cable entry metrical
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
Ambient temperature during operating  CC -25 - 70  Degree of protection (IP)  None  None  1P66/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)	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