DATASHEET - LS-11S/RR



Position switch, Actuating rod, Complete unit, 1 N/O, 1 NC, Snap-action



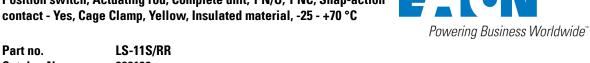
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Part no. 266106 Catalog No. **Alternate Catalog** LS-11S/RR

No.

EL-Nummer 4356033

(Norway)



Delivery program		
Basic function		Position switches Safety position switches
Part group reference		LS(M)
Product range		Actuating rod
Degree of Protection		IP66, IP67
Features		Complete unit
Ambient temperature	°C	-25 - +70
Snap-action contact		Yes
Contacts		
N/O = Normally open		1 N/O
N/C = Normally closed		1 NC →
Notes		= safety function, by positive opening to IEC/EN 60947-5-1
Contact sequence		0-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Contact travel = Contact closed = Contact open		0° 30° 65° 21-22 13-14 21-22 13-14 15° Zw = 60°
Positive opening (ZW)		yes
Colour		
Enclosure covers		Yellow
Enclosure covers		
Housing		Insulated material
Connection type		Cage Clamp
Notes		Cage-Clamp is a registered trademark of Wago Kontakttechnik, 32432 Minden, Germany. Accessories for the Cage-Clamp terminals from Wago:power comb, gray, Wago Article No. 264-402

Technical data

General

Standards		IEC/EN 60947
Climatic proofing		Damp heat, constant, to IEC 60068-2-78; damp heat, cyclical, to IEC 60068-2-30
Ambient temperature	°C	-25 - +70
Mounting position		As required
Degree of Protection		IP66, IP67
Terminal capacities	mm^2	
Solid	mm^2	1 x (0.5 - 2.5)
Flexible with ferrule	mm ²	1 x (0.5 - 1.5)
Repetition accuracy	mm	0.15
Contacts/switching capacity		

Contacts/Switching Capacity			
Rated impulse withstand voltage	U_{imp}	V AC	4000
Rated insulation voltage	Ui	V	400
Overvoltage category/pollution degree			III/3
Rated operational current	l _e	Α	
AC-15			
24 V	l _e	Α	6
220 V 230 V 240 V	l _e	Α	6
380 V 400 V 415 V	l _e	Α	4
DC-13			
24 V	l _e	Α	3
110 V	Ie	Α	0.6
220 V	l _e	Α	0.3
Control circuit reliability			
at 24 V DC/5 mA	H _F	Fault probabilit	< 10 ⁻⁷ , < 1 fault in 10 ⁷ operations ty
at 5 V DC/1 mA	H _F	Fault probabilit	$< 5 \times 10^{-6}$, < 1 failure at 5 $\times 10^{6}$ operations ty
Supply frequency		Hz	max. 400
Short-circuit rating to IEC/EN 60947-5-1			
max. fuse		A gG/gL	6
Rated conditional short-circuit current		kA	1

Mechanical variables

Lifespan, mechanical	Operations	x 10 ⁶	8
Mechanical shock resistance (half-sinusoidal shock, 20 ms)			
Standard-action contact		g	25
Operating frequency	Operations/h		≦ 6000

Actuation

	Notes			L = 130 mm
	Max. operating speed with DIN cam	m	n/s	1.5
	Actuating torque of rotary drives	N	Nm	0.2
	Actuating force at beginning/end of stroke	N	N	1.0/8.0
ı	Mechanical			

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	In	Α	6
Heat dissipation per pole, current-dependent	P _{vid}	W	0.17
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25

°C	70
	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.
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	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
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	The device meets the requirements, provided the information in the instruction
	°C

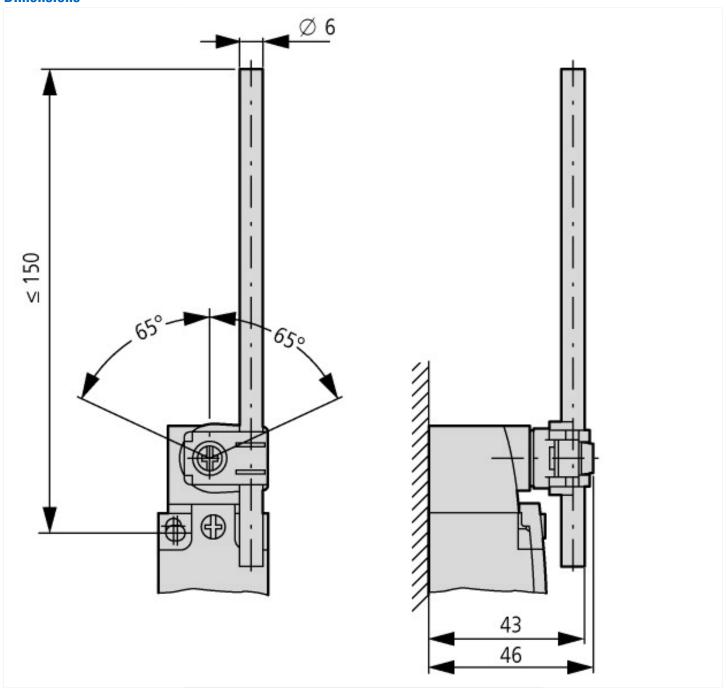
Technical data ETIM 7.0				
Sensors (EG000026) / End switch (EC000030)				
Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Position switch (Type 1) (ecl@ss10.0.1-27-27-06-01 [AGZ382015])				
Width sensor		mm	31	
Diameter sensor		mm	0	
Height of sensor		mm	61	
Length of sensor		mm	33.5	
Rated operation current le at AC-15, 24 V		Α	6	
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			Quick-break switch	
Switching function latching			No	
Output electronic			No	
Forced opening			Yes	
Number of safety auxiliary contacts			1	
Number of contacts as normally closed contact			1	
Number of contacts as normally open contact			1	
Number of contacts as change-over contact			0	
Type of interface			None	
Type of interface for safety communication			None	
Construction type housing			Cuboid	
Material housing			Plastic	
Coating housing			Other	

Type of control element		Actuating rod
Alignment of the control element		Other
Type of electric connection		Other
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)		IP67
Degree of protection (NEMA)		4X

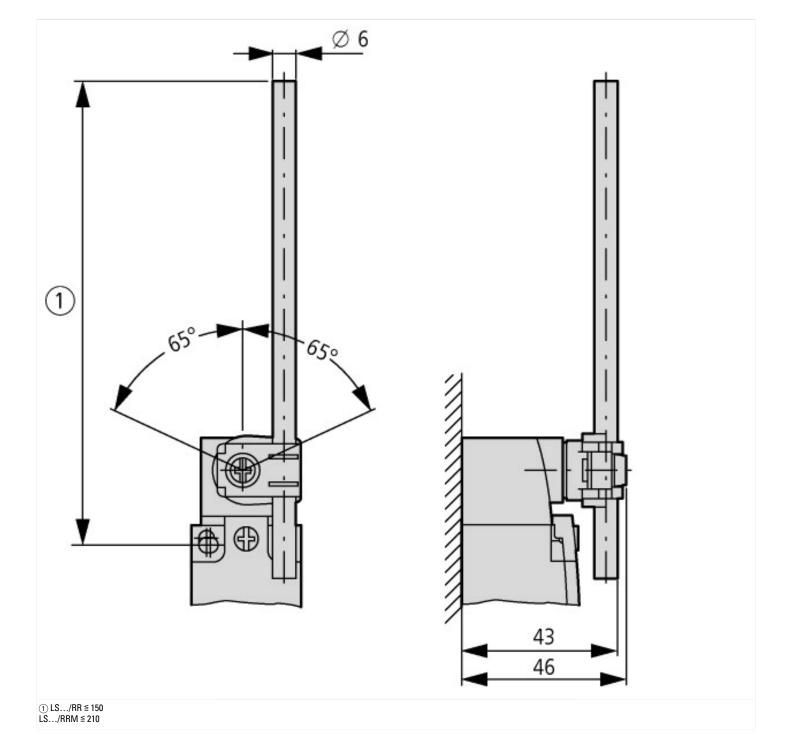
Approvals

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	12528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Degree of Protection	IEC: IP66, 67, UL/CSA Type 3R, 4X (indoor use only), 12, 13

Dimensions



- ① Tightening torque of cover screws: 0.8 Nm ± 0.2 Nm ② only with LS (insulated version) ③ Fixing screws 2 x M4 \ge 30 $M_A = 1.5$ Nm



01/22/2022