DATASHEET - LS-S11S/RL

Position switch, Rotary lever, Complete unit, 1 N/O, 1 NC, Snap-action contact - Yes, Screw terminal, Yellow, Insulated material, -25 - +70 °C, EN 50047 Form A

Part no.	LS-S11S/RL
	106802
EL Number	4315215
(Norway)	

General specifications

General specifications	
Product name	Eaton Moeller® series LS Position switch
Part no.	LS-S11S/RL
EAN	4015081065691
Product Length/Depth	33.5 millimetre
Product height	110 millimetre
Product width	31 millimetre
Product weight	0.066 kilogram
Certifications	CSA-C22.2 No. 14 CSA File No.: 012528 UL UL 508 UL Category Control No.: NKCR IEC/EN 60947-5 CE CSA IEC/EN 60947 UL File No.: E29184 CSA Class No.: 3211-03
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 The operating head can be rotated 90° to enable adaptation to the specified approach direction
Features & Functions	
Design	EN 50047 Form A
Electric connection type	Cable entry metrical
Enclosure color	Yellow Cover
Enclosure material	Insulated material Plastic
Features	Forced opening Positive opening Snap-action contact
Switch function type	Quick-break 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	III III III III III III III III III II
Pollution degree	3
Product category	Rotary lever
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
Climatic environmental conditions	

mA)	max rrule) AC-15, 220 V, 230 V, 240 V AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	70 °C Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 Ix (0.5 - 1.5) mm² 1x (0.5 - 2.5) mm² 400 V 6A 6A 6A 6A 6A 0.6 A 0.8 A 0.3 A 3A
Climatic proofing Damp heat, cyclic, to IEC 6008-2-30 Terminal capacities 1 x (0.5 - 1.5) mm ² Terminal capacity (flexible with forrule) 1 x (0.5 - 1.5) mm ² Torminal capacity (solid) 1 x (0.5 - 1.5) mm ² Etectrical rating 400 V Rated insulation voltage (U) 6 A Rated operational current (10 at AC-15, 200 V, 200 V, 240 V 6 A Rated operational current (10 at AC-15, 200 V, 200 V, 240 V 6 A Rated operational current (10 at AC-15, 200 V, 200 V, 240 V 6 A Rated operational current (10 at AC-15, 200 V, 200 V, 240 V 6 A Rated operational current (10 at AC-15, 200 V, 200 V, 415 V 6 A Rated operational current (10 at DC-13, 102 V 6 A Rated operational current (10 at DC-13, 125 V 0 A Rated operational current (10 at DC-13, 220 V, 230 V 0 A Short-circuit protection rating 0 A Supply frequency Max & A 90 Hz, Contacts Actuating force at beginninglend of stroke 1 0 N& 0 N Actuating torce at beginninglend of stroke 1 0 N& 0 N Actuating torce at beginninglend of stroke 1 0 N& 0 N Actuating torce at beginninglend of stroke 1 0 N& 0 N	rrule) AC-15, 220 V, 230 V, 240 V AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78 Image: Provide the stress of the st
Internal capacities Damp heat, constant, to IEC 60068-2-78 Terminal capacity (field) with forule) 1 × (0.5 - 1.5) mm ² Terminal capacity (solid) 1 × (0.5 - 1.5) mm ² Electrical rating 4 00 V Rated notation (lay at AC-15, 220 V, 230 V, 240 V 400 V Rated operational current (la) at AC-15, 230 V, 240 V, 415 V 6 A Rated operational current (la) at AC-15, 230 V, 240 V, 415 V 6 A Rated operational current (la) at AC-15, 230 V, 230 V, 415 V 6 A Rated operational current (la) at AC-13, 230 V, 230 V 6 A Rated operational current (la) at DC-13, 220 V, 230 V 6 A Rated operational current (la) at DC-13, 220 V, 230 V 6 A Rated operational current (la) at DC-13, 220 V, 230 V 6 A Rated operational current (la) at DC-13, 24 V 6 A Supply frequency 6 A Actuating force at beginning/end of stroke 7 A Actuating force at beginning/end of stroke 7 A Actuating true of catary drives 0 A Actuating true of catary drives 0 A Actuating true of catary drives 1 failure per 10,000,000 switching operations (Statistically determined, at 24 mA	AC-15, 220 V, 230 V, 240 V AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	Damp heat, constant, to IEC 60068-2-78 I x (0.5 - 1.5) mm ² 1 x (0.5 - 2.5) mm ² 400 V 6 A 6 A 6 A 0.6 A 0.8 A 0.3 A 3 A
Terminal capacity (flexible with ferrule) I × 0.5 - 1.5 mm ² Terminal capacity (solid) 1 × 0.5 - 2.5 mm ³ Electrical rating 400 V Rated insulation voltage (Ui) 400 V Rated operational current (le) at AC-15, 220 V, 230 V, 240 V 6 A Rated operational current (le) at AC-15, 24V 6 A Rated operational current (le) at AC-15, 24V 6 A Rated operational current (le) at AC-15, 24V 6 A Rated operational current (le) at AC-15, 220 V, 230 V, 400 V, 415 V 6 A Rated operational current (le) at DC-13, 120 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.8 A Short- circuit protection rating 0.8 A Short- circuit protection rating Max. 60 G/gL, Fuse, Contacts Supply frequency Max. 400 Hz, Contacts Actuating force at beginning/end of stroke 0.2 Nm Actuating torce at beginning/end of stroke 0.2 Nm Actuating torce at beginning/end of stroke 0.2 Nm Actuating torce at beginning/end of stroke 1.3 N/s (with DIN can, mechanical actuation) For angle of actuation a = 0* Contacts Tailing per 10000,000 s	AC-15, 220 V, 230 V, 240 V AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	1 x (0.5 - 2.5) mm² 400 V 6 A 6 A 6 A 0.6 A 0.8 A 0.3 A 3 A
Terminal capacity (solid) * (0.5 - 2.5) m ¹ Electrical rating 400 V Rated insulation voltage (U) 6 A Rated operational current (le) at AC - 15, 220 V, 230 V, 240 V 6 A Rated operational current (le) at AC - 15, 230 V, 400 V, 415 V 6 A Rated operational current (le) at DC - 13, 110 V 6.6 A Rated operational current (le) at DC - 13, 125 V 0.6 A Rated operational current (le) at DC - 13, 220 V, 230 V 0.6 A Rated operational current (le) at DC - 13, 220 V, 230 V 0.6 A Rated operational current (le) at DC - 13, 220 V, 230 V 0.6 A Rated operational current (le) at DC - 13, 220 V, 230 V 0.6 A Rated operational current (le) at DC - 13, 220 V, 230 V 0.6 A Short-circuit protection rating 0.3 A Short-circuit protection rating 0.3 A Short-circuit protection rating 0.1 N/8.0 N Actuating force at beginning/end of stroke 1.0 N/8.0 N Actuating torque of rotary drives 0.2 N-m Actuating torque of rotary drives 0.2 N-m Operating speed 1.0 N/8.0 N Control circuit reliability Tailure per 10.000,000 switching operations (Statistically determined, at 24 A/A)	AC-15, 220 V, 230 V, 240 V AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	1 x (0.5 - 2.5) mm² 400 V 6 A 6 A 6 A 0.6 A 0.8 A 0.3 A 3 A
Electrical rating 400 v Rated insulation voltage (U) 400 v Rated operational current (le) at AC-15, 220 V, 230 V, 240 V 6 A Rated operational current (le) at AC-15, 230 V, 400 V, 415 V 6 A Rated operational current (le) at DC-13, 120 V 6 A Rated operational current (le) at DC-13, 125 V 6 A Rated operational current (le) at DC-13, 220 V, 230 V 6 A Rated operational current (le) at DC-13, 220 V, 230 V 6 A Rated operational current (le) at DC-13, 220 V, 230 V 6 A Rated operational current (le) at DC-13, 220 V, 230 V 6 A Short-circuit protection rating 0.3 A Short-circuit protection rating Max. 6 A gl/gl_L, Fuse, Contacts Supply frequency Max. 400 Hz, Contacts Actuating force at beginning/end of stroke 10 N/k0.N Actuating force at beginning/end of stroke 10 N/k0.N Actuating torque of rotary drives 0.2 N·m Actuating torque of rotary drives 10 N/k0.N Contracts 10 N/k0.N N Contracts 10 N/k0.N N Contracts 10 N/k0.N N Contracts (change-over contacts) 1 failure per 10,000,000 switching operations (statistically det	AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	400 V 6 A 6 A 6 A 0.6 A 0.8 A 0.3 A 3 A
Rated insulation voltage (U) 400 V Rated operational current (le) at AC-15, 220 V, 230 V, 240 V 6A Rated operational current (le) at AC-15, 24 V 6A Rated operational current (le) at AC-15, 380 V, 400 V, 415 V 6A Rated operational current (le) at AC-15, 380 V, 400 V, 415 V 6A Rated operational current (le) at DC-13, 125 V 6A Rated operational current (le) at DC-13, 220 V, 230 V 6A Rated operational current (le) at DC-13, 220 V, 230 V 6A Rated operational current (le) at DC-13, 220 V, 230 V 6A Rated operational current (le) at DC-13, 220 V, 230 V 6A Rated operational current (le) at DC-13, 220 V, 230 V 6A Supply frequency Max. 6A g G/gL, Fuse, Contacts Actuating force at beginning/end of stroke 6A Actuating force at beginning/end of stroke 10 N/8.0 N Actuator type 0 Operating speed 10 N/8.0 N Control circuit reliability Failure per 10,000,000 switching operations (Statistically determined, at 24 mA/A) Number of contacts (change-over contacts) 6 Number of contacts (normally closed contacts) 6 Number of contacts (normally closed contacts) 6	AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	6A 6A 4A 0.6A 0.8A 0.3A 3A
Rated operational current (le) 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 0.8 A Rated operational current (le) at DC-13, 125 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.3 A Rated operational current (le) at DC-13, 220 V, 230 V 0.3 A Rated operational current (le) at DC-13, 24 V 0.3 A Supply frequency Max. 6 A G/G/L, Fuse, Contacts Actuating force at beginning/end of stroke 1.0 N/8.0 N Actuating torque of rotary drives 22 Nm Actuating torque of rotary drives 22 Nm Operating speed 22 Nm Control circuit reliability 1 failure per 10,000,000 switching operations (Statistically determined, at 24 M, 14 J Number of contacts (change-over contacts) 0 Number of contacts (change-over contacts) 0 Number of contacts (normally closed contacts) 0 </td <td>AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V</td> <td>6A 6A 4A 0.6A 0.8A 0.3A 3A</td>	AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	6A 6A 4A 0.6A 0.8A 0.3A 3A
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 CC-13, 110 V 0.6 A Rated operational current (le) at DC-13, 125 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.8 A Short-circuit protection rating 0.3 A Supply frequency Max. 6A gG/gL, Fuse, Contacts Actuating force at beginning/end of stroke 1.0 N/8.0 N Actuating force at beginning/end of stroke 0.2 N-m Actuating speed Derating speed Control circuit reliability Iailure per 10.000,000 switching operations (Statistically determined, at 24 MA) Number of contacts (change-over contacts) 0 Number of contacts (normally closed contacts) 0	AC-15, 24 V AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	6A 4A 0.6A 0.8A 0.3A 3A
Rated operational current (le) at AC-15, 380 V, 400 V, 415 V A Rated operational current (le) at DC-13, 110 V 0.6 A Rated operational current (le) at DC-13, 125 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.3 A Rated operational current (le) at DC-13, 220 V, 230 V 3.4 Sbort-circuit protection rating 3.4 Supply frequency Max. 6A gG/gL, Fuse, 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 0.2 N·m Operating speed Max. 15 m/s (with DIN cam, mechanical actuation) For angle of actuation a = 0° Control circuit reliability 1 failure per 10,000,000 switching operations (Statistically determined, at 24 mA) Number of contacts (change-over contacts) 0 Number of contacts (normally closed contacts)	AC-15, 380 V, 400 V, 415 V DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	4A 0.6A 0.8A 0.3A 3A
Rated operational current (le) at DC-13, 110 V 0.6 A Rated operational current (le) at DC-13, 125 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.3 A Rated operational current (le) at DC-13, 22 V 0.3 A Short-circuit protection rating 0.6 A Supply frequency Max. 6 A gG/gL, Fuse, Contacts Actuating force at beginning/end of stroke Max. 6 A gG/gL, Fuse, Contacts Actuating torque of rotary drives 1.0 N/8.0 N Actuator type 0.2 N·m Operating speed Max. 1.5 m/s (with DIN cam, mechanical actuation) Contracts Max. 1.5 m/s (with DIN cam, mechanical actuation) Control circuit reliability failure per 5,000,000 switching operations (Statistically determined, at 5 V mA) Number of contacts (change-over contacts) Image: Generation generation generations (Statistically determined, at 5 V mA) Number of contacts (normally closed contacts) Image: Generation generations (Statistically determined, at 5 V mA)	DC-13, 110 V DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	0.6 A 0.8 A 0.3 A 3 A
Rated operational current (le) at DC-13, 220 V, 230 V 0.8 A Rated operational current (le) at DC-13, 220 V, 230 V 0.3 A Rated operational current (le) at DC-13, 24 V 0.3 A Short-circuit protection rating 0.4 gG/gL, Fuse, Contacts Supply frequency Max. 6 A gG/gL, Fuse, Contacts Actuating force at beginning/end of stroke 10 N/8.0 N Actuating torque of rotary drives 0.2 N·m Actuator type 0.2 N·m Operating speed 0.2 N·m Controcl circuit reliability For angle of actuation a = 0° Number of contacts (change-over contacts) Intel current (le) at DC-13, 220 V, 230 V Number of contacts (normally closed contacts) Intel current (le) at DC-13, 220 V, 230 V	DC-13, 125 V DC-13, 220 V, 230 V DC-13, 24 V	0.8 A 0.3 A 3 A
Rated operational current (le) at DC-13, 220 V, 230 V 0.3 A Rated operational current (le) at DC-13, 24 V 0.3 A Short-circuit protection rating 0.4 A Supply frequency Max. 6 A gG/gL, Fuse, Contacts Actuator Max. 400 Hz, Contacts Actuating force at beginning/end of stroke 10 N/8.0 N Actuating torque of rotary drives 0.2 N·m Actuator type 0.2 N·m Operating speed 0.2 N·m Contacts Max. 1.5 m/s (with DIN cam, mechanical actuation) For angle of actuation $\alpha = 0^{\circ}$ Contacts 1 failure per 10,000,000 switching operations (Statistically determined, at 5 V mA) Number of contacts (change-over contacts) Max 0 Number of contacts (normally closed contacts) Max 0	DC-13, 220 V, 230 V DC-13, 24 V	0.3 A 3 A
Rated operational current (le) 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 Max. 400 Hz, Contacts Actuating force at beginning/end of stroke Ion N/8.0 N Actuating torque of rotary drives 0.2 N-m Actuator type Max. 1.5 m/s (with DIN cam, mechanical actuation) Operating speed Max. 1.5 m/s (with DIN cam, mechanical actuation) Contacts Ialure per 10,000,000 switching operations (Statistically determined, at 24 mA) Number of contacts (change-over contacts) Max Ialure per 10,000,000 switching operations (statistically determined, at 54 VIMA) Number of contacts (normally closed contacts) Max Ialure per 10,000,000 switching operations (statistically determined, at 54 VIMA)	DC-13, 24 V	3A
Short-circuit protection rating Max. 6 A gG/gL, Fuse, Contacts Supply frequency Max. 400 Hz, Contacts Actuator Max. 400 Hz, Contacts Actuating force at beginning/end of stroke I 0. V/8.0 N Actuator type 0.2 N·m Operating speed Roller lever Operating speed Max. 15 m/s (with DIN cam, mechanical actuation) For angle of actuation a = 0° Contracts Control circuit reliability Number of contacts (change-over contacts) Image: Statistical statis statisti statisti statistical statistical statisti statistical		
Supply frequency Max. 400 Hz, Contacts Actuator Max. 400 Hz, Contacts Actuating force at beginning/end of stroke Ion N/8.0 N Actuating torque of rotary drives 0.2 N·m Actuator type Roller lever Operating speed Max. 1.5 m/s (with DIN carn, mechanical actuation) For angle of actuation q = 0° Control circuit reliability I failure per 10,000,000 switching operations (Statistically determined, at 24 mA) and an under per 5,000,000 switching operations (statistically determined, at 24 mA) mA) Number of contacts (change-over contacts) Image: Statistically determined, at 24 mA) Number of contacts (normally closed contacts) Image: Statistically determined, at 24 mA) Number of contacts (normally closed contacts) Image: Statistically determined, at 24 mA) Number of contacts (normally closed contacts) Image: Statistically determined, at 24 mA)	of stroke	Max. 6 A gG/gL, Fuse, Contacts
Actuator Image: Control Stroke Image: Controke <t< td=""><td>of stroke</td><td></td></t<>	of stroke	
Actuating force at beginning/end of stroke Image: stroke 1.0 N/8.0 N Actuating torque of rotary drives 0.2 N·m 0.2 N·m Actuator type Max. 1.5 m/s (with DIN cam, mechanical actuation) For angle of actuation a = 0° Max. 1.5 m/s (with DIN cam, mechanical actuation) For angle of actuation a = 0° Contracts Control circuit reliability Infailure per 10,000,000 switching operations (Statistically determined, at 5 V mA) Number of contacts (change-over contacts) Image: statistically determined, at 5 V mA) 0 Number of contacts (normally closed contacts) Image: statistical stat statistis statistis statistical statistical statistical statist	of stroke	Max. 400 Hz, Contacts
Actuating torque of rotary drives 0.2 N·m Actuator type Roller lever Operating speed Max. 1.5 m/s (with DIN cam, mechanical actuation) For angle of actuation a = 0° Contacts I failure per 10,000,000 switching operations (Statistically determined, at 24 mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V mA) Number of contacts (change-over contacts) Image: Contacts (normally closed contacts) Number of contacts (normally closed contacts) Image: Contacts (normally closed contacts)	of stroke	
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Contacts Control circuit reliability I failure per 10,000,000 switching operations (Statistically determined, at 24 mA) Number of contacts (change-over contacts) 0 Number of contacts (normally closed contacts) 0 1 1		Max. 1.5 m/s (with DIN cam, mechanical actuation)
Control circuit reliability I failure per 10,000,000 switching operations (Statistically determined, at 24 mA) I failure per 5,000,000 switching operations (statistically determined, at 5 V mA) Number of contacts (change-over contacts) 0 Number of contacts (normally closed contacts) 1		For angle of actuation $\alpha = 0^{\circ}$
Number of contacts (change-over contacts) Maximum A Number of contacts (normally closed contacts) Imaximum A		
Number of contacts (change-over contacts) Image: Section of contacts (change-over contacts) Number of contacts (normally closed contacts) Image: Section of contacts (change-over contacts)		1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC
Number of contacts (change-over contacts) 0 Number of contacts (normally closed contacts) 1		mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1
Number of contacts (normally closed contacts)		mA)
	⁻ contacts)	0
Number of contacts (normally open contacts)	sed contacts)	1
	n contacts)	1
Safety		
Explosion safety category for gas None		None
Explosion safety category for dust None	t	None
Design verification		
Equipment heat dissipation, current-dependent Pvid 0 W	nt-dependent Pvid	0 W
Heat dissipation capacity Pdiss 0 W		0 W
Heat dissipation per pole, current-dependent Pvid 0.17 W	-dependent Pvid	0.17 W
Rated operational current for specified heat dissipation (In) 6 A	cified heat dissipation (In)	6 A
Static heat dissipation, non-current-dependent Pvs 0 W	nt-dependent Pvs	0 W
10.2.2 Corrosion resistance Meets the product standard's requirements.		Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures Meets the product standard's requirements.	bility 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.	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.	normal 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.	IV) radiation	Meets the product standard's requirements.
10.2.5 Lifting Does not apply, since the entire switchgear needs to be evaluated.		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.		Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions Meets the product standard's requirements.		Meets the product standard's requirements.
10.3 Degree of protection of assemblies Does not apply, since the entire switchgear needs to be evaluated.	nblies	Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances Meets the product standard's requirements.	tances	Meets the product standard's requirements.
10.5 Protection against electric shock Does not apply, since the entire switchgear needs to be evaluated.	iock	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.	vices 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.	d 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.	ductors	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])

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	А	6
Rated operation current le at AC-15, 125 V	А	6
Rated operation current le at AC-15, 230 V	А	6
Rated operation current le at DC-13, 24 V	А	3
Rated operation current le at DC-13, 125 V	А	0.8
Rated operation current le at DC-13, 230 V	А	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
Housing material		Plastic
Coating housing		Other
Type of control element		Roller lever
Alignment of the control element		Roller cam crossed
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/IP67
Degree of protection (NEMA)		Other