Position switch, LSE, Position switch with electronically adjustable operating point, Basic device, expandable, 1 N/O, 1 NC, Yellow, Insulated material, Cage Clamp, -25 - +70 °C



Part no. LSE-11 Catalog No. 266121 Alternate Catalog LSE-11

No.

EL-Nummer 4356040

(Norway)

Delivery program

Zonio, program			
Basic function			Position switches Safety position switches
Part group reference			LSE
Product range			Position switch with electronically adjustable operating point
Degree of Protection			IP66, IP67
Features			Basic device, expandable
Ambient temperature		°C	-25 - +70
Description			Visual status indication comparable with positive opening function Device goes into safe state on high interference. Can be used in safety circuits partly short-circuit proof Restart after reset Individual operating point adjustment
Contacts			
N/O = Normally open			1 N/0
N/C = Normally closed			1 NC
Rated voltage	U _e	V DC	12 - 30
Colour			
Enclosure covers			Yellow
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

Rated operational current

General

Standards			IEC/EN 60947 EN 61000-4
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	0.02
Power supply			
Rated voltage	U _e	V DC	12 - 30
Rated operational current	I _e	Α	
12 V	I _e	Α	0.015
24 V	I	mA	18
30 V	I	Α	0.019
Contacts/switching capacity			
Overvoltage category/pollution degree			III/3

Α

I _e Operations	Α	0.2
Operations		
Operations		
	x 10 ⁶	3
		(electronic)
	°C	≦ 100
	g	30
Operations/h		≦ 3000
		0.5 - 5.5 mm, freely adjustable
	mm	0.4
	mm	0.04
	N	3.5/8.0
	Nm	0.2
	m/s	1/0.5
		for angle of actuation $\alpha=0^{\circ}/30^{\circ}$
	kV	
	kV	8
	kV	4
	V/m	10
	kV	2
	kV	2
	kV	0.5
	V	10
	Operations/h	Q Operations/h mm mm N N Nm m/s kV kV kV kV kV kV kV kV

Design verification as per IEC/EN 61439

echnical data for design verification			
Rated operational current for specified heat dissipation	In	Α	0.2
Heat dissipation per pole, current-dependent	P _{vid}	W	0.15
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0.4
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
EC/EN 61439 design verification			
10.2 Strength of materials and parts			
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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties			

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

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Saneare	(FG000026)	/ End switch	(トにいいいいぶい)

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])

n	mm	31
n	mm	0
n	mm	61
n	mm	33.5
A	Д	0
A	Д	0
A	Д	0
A	Д	0.2
A	4	0
A	4	0
		Slow-action switch
		No
		Yes
		No
		0
		1
		1
		0
		None
		None
		Cuboid
		Plastic
		Other
		Plunger
		Roller cam straight
		Cable entry metrical
		Yes
		Yes
		None
		None
0	°C	-25 - 70
		IP66/IP67
		Other
		mm mm mm A A A A A A A A C C C C C C C C