# Position switch, 1N/O+1N/C, spring-rod head

Part no. LS-11S/S Article no. 266104 Catalog No. LS-11S-S



Delivery programme		
Basic function		Position switches
Part group reference		LS(M)
Product range		Spring-rod actuator
Degree of Protection		IP66, IP67
Features		Complete unit
Ambient temperature	°C	-25 - +70
Snap-action contact		Yes
Description		Not to be used as a safety position switch
Contacts		
N/O = Normally open		1 N/O
N/C = Normally closed		1 NC
Contact sequence		$0 - \frac{13}{14} = \frac{21}{22}$
Contact travel = Contact closed = Contact open		0° 13° 26° 21-22
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
Rod length	mm	126
Notes The operating head can be rotated at 90° intervals to adapt to the specified approach dire	ection.	

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			

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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	$\text{mm}^2$	1 x (0.5 - 1.5)

## **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	I <sub>e</sub>	Α	
AC-15			
24 V	I <sub>e</sub>	Α	6
220 V 230 V 240 V	I <sub>e</sub>	Α	6
380 V 400 V 415 V	I <sub>e</sub>	Α	4
DC-13			
24 V	I <sub>e</sub>	Α	3
110 V	I <sub>e</sub>	Α	0.6
220 V	I <sub>e</sub>	Α	0.3
Control circuit reliability			
at 24 V DC/5 mA	H <sub>F</sub>	Fault probabilit	< 10 <sup>-7</sup> , < 1 fault in 107 operations ty
at 5 V DC/1 mA	H <sub>F</sub>	Fault probabilit	$< 10^{-6}$ , $< 1$ failure at 5 x $10^6$ operations ty
Supply frequency		Hz	max. 400
Short-circuit rating to IEC/EN 60947-5-1			
max. fuse		A gG/gL	6
Repetition accuracy		mm	0.15
Rated conditional short-circuit current		kA	1
Mechanical variables			

### Mechanical variables

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

## Actuation

Mechanical		
Actuating force at beginning/end of stroke	N	1.0/8.0
Actuating torque of rotary drives	Nm	0.2

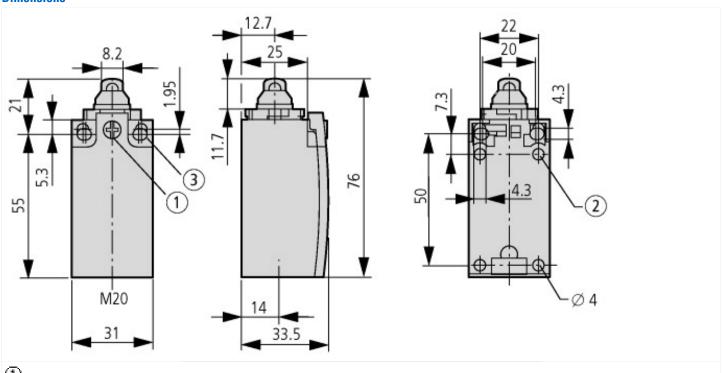
## **Technical data ETIM 5.0**

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@ss8-27-27-06-01 [AGZ382011])

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
Output electronic		No
Forced opening		No
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
Housing according to norm		-
Construction type housing		Cuboid
Material housing		Plastic
Coating housing		-
Type of control element		Spring-rod
Alignment of the control element		-
Type of electric connection		-
With status indication		No
Suited 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

# **Dimensions**



Tightening torque of cover screws: 0.8 Nm ±0.2 Nm (2) only with LS (insulated version)

