





Delivery programme

Basic function	Position switches Safety position switches	
Part group reference	LS(M)	
Product range	Rounded plunger	
Degree of Protection	IP66, IP67	
Features	Basic device, expandable	
Ambient temperature	°C -25 - +70	
Design	EN 50047 Form B	
Contacts		
N/O = Normally open	1 N/O	
N/C = Normally closed	1 NC 🕀	
Notes	Θ = safety function, by positive opening to IEC/EN 60947-5-1	
Contact sequence	$-\frac{13}{14}$	
Contact travel = Contact closed = Contact open	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
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 Min Germany. Accessories for the Cage-Clamp terminals from Wago:power comb, gray, 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)

	mm ²	1 x (0.5 - 1.5)
U _{imp}	V AC	4000
	V	400
		111/3
ام	A	
la	А	6
		6
		4
ı _e	А	4
		3
le	A	0.6
l _e	A	0.3
H _F	Fault probabili	< 10 ⁻⁷ , < 1 fault in 107 operations ity
H _F	Fault probabili	$< 10^{-6}$, < 1 failure at 5 x 10 ⁶ operations ity
	Hz	max. 400
	A gG/gL	6
	mm	0.15
	kA	1
Operations	x 10 ⁶	8
	°C	≦ ₁₀₀
	g	25
Operations/h		≦ ₆₀₀₀
	Ν	1.0/8.0
	Nm	0.2
	m/s	1/0.5
		for angle of actuation $\alpha=0^{\circ}/30^{\circ}$
	H _F H _F Operations	UiViIIIA <t< td=""></t<>

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	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
Operating ambient temperature max.		°C	70
IEC/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 6.0

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@ss8.1-27-27-06-01 [AGZ382012])			
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	
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	
Housing according to norm		DIN EN 50047	
Construction type housing		Cuboid	
Material housing		Plastic	
Coating housing			
Type of control element		Plunger	

Alignment of the control element

Type of electric connection

Suitable for safety functions

Degree of protection (IP)

Explosion safety category for gas

Explosion safety category for dust

Ambient temperature during operating

With status indication

°C

-

_

No

Yes

None

None

-25 - 70

IP67

Approvals	
Product Standards	
UL File No.	
UL Category Control No.	

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14; CE marking
E29184
NKCR
12528
3211-03
UL listed, CSA certified

IEC: IP66, 67, UL/CSA Type 3R, 4X (indoor use only), 12, 13

North America Certification

Degree of Protection

CSA File No. CSA Class No.

Dimensions

