DATASHEET - LS-20

Position switch, Rounded plunger, Basic device, expandable, 2 N/O, Cage Clamp, Yellow, Insulated material, -25 - +70 °C



Part no.	LS-20	
	266120	
EL Number	4356039	
(Norway)		

General specifications

General specifications	
Product name	Eaton Moeller® series LS Position switch
Part no.	LS-20
EAN	4015082661205
Product Length/Depth	33.5 millimetre
Product height	76.5 millimetre
Product width	31 millimetre
Product weight	0.051 kilogram
Certifications	CSA Class No.: 3211-03 IEC/EN 60947 UL 508 CE UL Category Control No.: NKCR IEC/EN 60947-5 UL File No.: E29184 CSA File No.: 12528 CSA-C22.2 No. 14 CSA UL
Product Tradename	LS
Product Type	Position switch
Product Sub Type	None
Catalog Notes	Accessories for the Cage-Clamp terminals from Wago:power comb, gray, Wago Article No. 264-402 Cage-Clamp is a registered trademark of Wago Kontakttechnik, 32432 Minden, Germany
Features & Functions	
Electric connection type	Cable entry metrical
Enclosure color	Yellow Cover
Enclosure material	Insulated material Plastic
Features	Expandable
Switch function type	Slow-action switch
General information	
Connection type	Cage Clamp
Degree of protection	IP66/IP67 NEMA Other
Lifespan	8,000,000 mechanical Operations
Operating frequency	6000 Operations/h
Overvoltage category	
Pollution degree	3
Product category	Rounded plunger
Rated impulse withstand voltage (Uimp)	4000 V AC
Repetition accuracy	0.15 mm (Contacts/switching capacity)
Туре	Position switch
Ambient conditions, mechanical	
Mounting position	As required
Shock resistance	25 g, Standard-action contact, Mechanical, Half-sinusoidal shock 20 ms
Temperature resistance	100 °C, Contact temperature of roller head
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	70 °C
Climatic proofing	Damp heat, constant, to IEC 60068-2-78

Terminal capacity (flexible with ferrule) 1x (0.5 - 1.5) mm ³ Terminal capacity (solid) 1x (0.5 - 2.5) mm ³ Electrical rating 1x (0.5 - 2.5) mm ³ Bated conditional short-circuit current (lq) 1x (0.5 - 2.5) mm ³ Rated operational current (le) at AC-15, 220 V, 230 V, 240 V 6A Rated operational current (le) at AC-15, 220 V, 230 V, 240 V 6A Rated operational current (le) at AC-15, 230 V, 400 V, 415 V 6A Rated operational current (le) at AC-15, 230 V, 400 V, 415 V 6A Rated operational current (le) at DC-13, 100 V 6A Rated operational current (le) at DC-13, 250 V, 230 V 6A Rated operational current (le) at DC-13, 250 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 7A Supply frequency 7A Actuating force at beginning/end of stroke 10 N(8.0 N Actuating force at beginning/end of stroke 10 N(8.0 N Actuating force at beginning/end of stroke 10 N(8.0 N Actuating force at beginning/end of stroke 10 N(8.0 N Actuation type 10 N(8.0 N </th <th></th> <th>Damp heat, cyclic, to IEC 60068-2-30</th>		Damp heat, cyclic, to IEC 60068-2-30
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10.8 Connections for external conductorsImage: Section of the section o	10.6 Incorporation of switching devices and components	Does not apply, since the entire switchgear needs to be evaluated.
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10.9.3 Impulse withstand voltage	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.
10.9.4 Testing of enclosures made of insulating material 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

Technical uala Linivi 3.0		
Sensors (EG000026) / End switch (EC000030)		
Electric engineering, automation, process control engineering / Sensor technology, safe switch (Type 1) (ecl@ss13-27-27-26-01 [AKE640018])	ty-related sensor to	echnology / Safety-related mechanical switch (sensor technology) / Safety position
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		Slow-action switch
Switching function latching		No
Output electronic		No
Forced opening		No
Number of safety auxiliary contacts		0
Number of contacts as normally closed contact		0
Number of contacts as normally open contact		2
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		Plunger
Alignment of the control element		Roller cam straight
Type of electric connection		Cable entry metrical
With status indication		No
Suitable for safety functions		No
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