



Part no.

Article no.

Catalog No.

LS-S02-24DFT-ZBZ/X 106823 LS-S02-24DFT-ZBZX



Delivery program

Basic function			Position switches Safety position switches
Part group reference			LSZBZ/X
Product range			Basic units with spring-powered interlock (closed-circuit principle)
Degree of Protection			IP65
Features			Basic device, expandable
Ambient temperature		°C	-25 - +40
Description			With interlock monitoring with auxiliary release mechanism Monitoring of door position: continuous
Approval			A Prüzent
Contacts			
N/C = Normally closed			2 NC 🕀
Notes			Θ = safety function, by positive opening to IEC/EN 60947-5-1
Contact sequence			$\begin{array}{c} \uparrow & \downarrow^{11} & _{A1} & _{A2} & \downarrow^{21} \\ \hline & & \uparrow^{12} & & \downarrow^{22} \\ \hline & & \downarrow^{12} & & \downarrow^{22} \end{array}$
Rated control voltage for magnetic drive	Us	V	24 V DC
Housing			Insulated material
Connection type			Screw terminal
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Notes Switch must never be used as a mechanical stop!

The operating head can be rotated manually in 90° steps without tools to suit the specified level of actuation. With the actuator inserted, the N/O contact is open and the N/C contact is closed.

For degree of protection IP65, use V-M20 (206910) cable glands with connecting thread of max. 9 mm length. In the event of power failure (e.g., during commissioning), the device can be released with a screwdriver. The auxiliary release mechanism must be sealed! -> Instructional leaflet IL 05208005Z

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 - +40
Mounting position		As required
Degree of Protection		IP65
Terminal capacities	mm ²	
Solid	mm ²	1 x (0.75 - 2.5) 2 x (0.75 - 1.5)
Flexible with ferrule	mm ²	1 x (0.5 - 1.5) 2 x (0.5 - 1.5)

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		PH1
	Nm	0.9
11.		4000
Ui	V	400
		111/3
le	A	
۱ _e	Α	6
l _e	Α	6
I _e	Α	4
I _e	A	3
l _e	A	0.8
le	A	0.3
	Hz	max. 400
	A qG/qL	6
		0.02
		1
Operations	x 10 ⁶	1
	g	10
Operations/h		≦ ₈₀₀
	Ν	25/15 (plug-in/pull-out)
	Ν	1700
	Ν	1600
	Ν	750
	Ν	1200
	VA	8
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Design verification as per IEC/EN 61439

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Technical data for design verification			
Rated operational current for specified heat dissipation	In	А	6
Heat dissipation per pole, current-dependent	P _{vid}	W	0.13
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	40
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.

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he panel builder is responsible for the temperature rise calculation. Eaton will rovide heat dissipation data for the devices.
s the panel builder's responsibility. The specifications for the switchgear must be bserved.
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he device meets the requirements, provided the information in the instruction aflet (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])

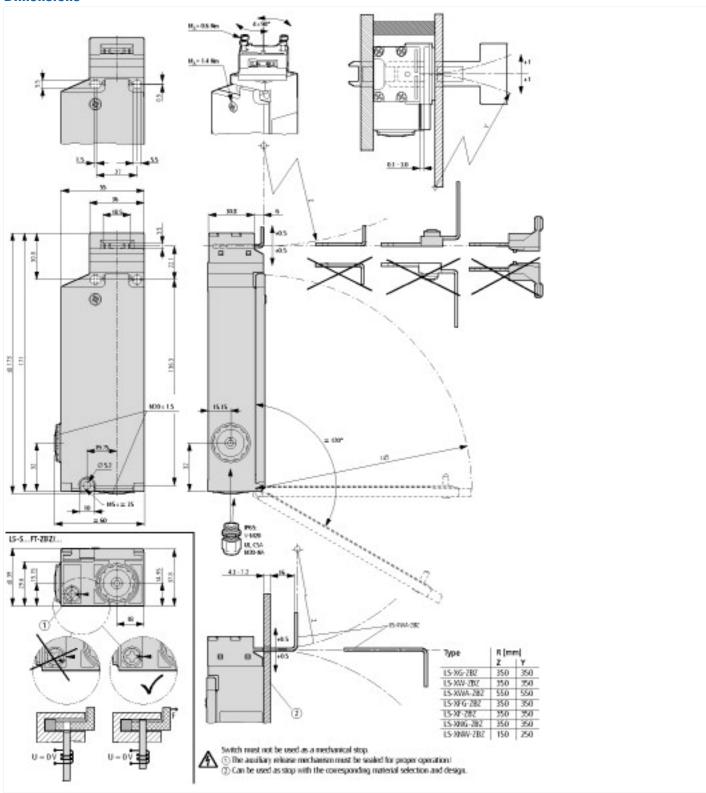
[AGZ382012])			
Width sensor	n	nm	60
Diameter sensor	n	nm	0
Height of sensor	n	nm	173
Length of sensor	n	nm	39
Rated operation current le at AC-15, 24 V	Д	4	6
Rated operation current le at AC-15, 125 V	Д	4	6
Rated operation current le at AC-15, 230 V	Д	4	6
Rated operation current le at DC-13, 24 V	Д	4	3
Rated operation current le at DC-13, 125 V	Д	4	0.8
Rated operation current le at DC-13, 230 V	Д	4	0.3
Switching function			Slow-action switch
Output electronic			No
Forced opening			Yes
Number of safety auxiliary contacts			2
Number of contacts as normally closed contact			2
Number of contacts as normally open contact			0
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			
Alignment of the control element			
Type of electric connection			
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)		IP65

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Approtato	
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: IP65, UL/CSA Type 3R, 4X (indoor use only), 12, 13





Additional product information (links)

IL05208005Z (AWA1310-2354) Safety position switch

IL05208005Z (AWA1310-2354) Safety position switch ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL05208005Z2016_06.pdf