

Actuator, flat

Part no. LS-XG-ZBZ
106833

EL Number
(Norway) 4356182

General specifications	
Product name	Eaton Moeller® series LS Actuator
Part no.	LS-XG-ZBZ
EAN	4015081065936
Product Length/Depth	44 millimetre
Product height	2 millimetre
Product width	35 millimetre
Product weight	0.011 kilogram
Certifications	CSA-C22.2 No. 14 CE IEC/EN 60947 CSA CSA File No.: 012528 CSA Class No.: 3211-03 UL File No.: E29184 IEC/EN 60947-5 UL 508 UL UL Category Control No.: NKCR
Product Tradename	LS
Product Type	Actuator
Product Sub Type	None
Features & Functions	
Functions	For combination with LS-...ZBZ/X basic devices
Material	Stainless steel
General information	
Duty factor	100 %
Model	Standard actuator
Operating frequency	800 Operations/h
Overvoltage category	III
Pollution degree	3
Rated impulse withstand voltage (Uimp)	4000 V AC
Repetition accuracy	0.02 mm (Contacts/switching capacity)
Type	Actuator Flat actuator
Ambient conditions, mechanical	
Mounting position	As required
Shock resistance	10 g, Standard-action contact, Mechanical, Half-Sinusoidal shock 20 ms
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	40 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Terminal capacities	
Terminal capacity (flexible with ferrule)	2 x (0.5 - 1.5) mm ² 1 x (0.5 - 1.5) mm ²
Terminal capacity (solid)	2 x (0.75 - 1.5) mm ² 1 x (0.75 - 2.5) mm ²
Electrical rating	
Power consumption	8 W at 24 V DC (electromechanical actuation) 8 VA at 120 V AC (electromechanical actuation)
Rated insulation voltage (Ui)	400 V
Rated operational current (Ie)	0.8 A at 110 V 4 A at AC-15, 380 V 400 V 415 V

		3 A at 24 V 0.3 A at 220 V 6 A at AC-15, 220 V 230 V 240 V 6 A at AC-15, 24 V
Short-circuit protection rating		Max. 6 A gG/gL, Fuse, Contacts
Supply frequency		Max. 400 Hz, Contacts
Voltage tolerance		1.1 x Us, Pick-up and drop-out values 0.85 x Us, Pick-up and drop-out values
Actuator		
Mechanical holding force		1600 N (according to GS-ET-19 (04/2004), XWA, XFG, XF) 1700 N (according to GS-ET-19 (04/2004), XG, XW, XNG) 1200 N (according to GS-ET-19 (04/2004), XNW)
Design verification		
Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdis		0 W
Heat dissipation per pole, current-dependent Pvid		0 W
Rated operational current for specified heat dissipation (In)		0 A
Static heat dissipation, non-current-dependent Pvs		0 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects		Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation		Please enquire
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.
10.9.2 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		Not applicable.
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

Sensors (EG000026) / Actuator for position switch with separate actuator (EC001487)		
Electric engineering, automation, process control engineering / Sensor technology, safety-related sensor technology / Mechanical switch (sensor technology) / Actuator for position switch (ecl@ss13-27-27-06-12 [AFR469008])		
Model		Standard actuator