DATASHEET - LS-XG-ZBZ

Actuator, flat

Part no.	**LS-XG-ZBZ**
	106833
EL Number (Norway)	**4356182**

Powering Business Worldwide™

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 Pdiss	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