

Compensating actuator, angled



**Part no.** LS-XNW-ZBZ  
**106835**  
**EL Number** 4356188  
**(Norway)**

General specifications		
Product name		Eaton Moeller® series LS Compensating actuator
Part no.		LS-XNW-ZBZ
EAN		4015081065950
Product Length/Depth		42 millimetre
Product height		62 millimetre
Product width		31 millimetre
Product weight		0.052 kilogram
Certifications		UL 508 UL Category Control No.: NKCR IEC/EN 60947-5 UL IEC/EN 60947 CSA File No.: 012528 UL File No.: E29184 CSA-C22.2 No. 14 CSA Class No.: 3211-03 CE CSA
Product Tradename		LS
Product Type		Compensating actuator
Product Sub Type		None
Features & Functions		
Fitted with:		Increased tolerance in closing direction
Functions		For combination with LS-...ZBZ/X basic devices
Material		Stainless steel
General information		
Duty factor		100 %
Model		Actuator with vertical mounting
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 Angled compensating 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)		1 x (0.5 - 1.5) mm <sup>2</sup> 2 x (0.5 - 1.5) mm <sup>2</sup>
Terminal capacity (solid)		1 x (0.75 - 2.5) mm <sup>2</sup> 2 x (0.75 - 1.5) mm <sup>2</sup>
Electrical rating		
Power consumption		8 VA at 120 V AC (electromechanical actuation) 8 W at 24 V DC (electromechanical actuation)
Rated insulation voltage (Ui)		400 V

Rated operational current (Ie)		6 A at AC-15, 220 V 230 V 240 V 0.3 A at 220 V 4 A at AC-15, 380 V 400 V 415 V 6 A at AC-15, 24 V 3 A at 24 V 0.8 A at 110 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
<b>Actuator</b>		
Mechanical holding force		1700 N (according to GS-ET-19 (04/2004), XG, XW, XNG) 1200 N (according to GS-ET-19 (04/2004), XNW) 1600 N (according to GS-ET-19 (04/2004), XWA, XFG, XF)
<b>Design verification</b>		
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		Actuator with vertical mounting