

Specifications



Eaton 106831

Eaton Moeller® series LS Actuator, flat, flexible

General specifications

PRODUCT NAME	Eaton Moeller® series LS Actuator
CATALOG NUMBER	106831
MODEL CODE	LS-XFG-ZBZ
EAN	4015081065912
PRODUCT LENGTH/DEPTH	12 mm
PRODUCT HEIGHT	29 mm
PRODUCT WIDTH	106 mm
PRODUCT WEIGHT	0.038 kg
COMPLIANCES	CE Marked
CERTIFICATIONS	IEC 60947-5 CSA Std. C22.2 No. 14 EN 60947-5 UL 508 UL CSA CSA-C22.2 No. 14 IEC/EN 60947-5 CE UL Category Control No.: NKCR CSA Class No.: 3211-03 CSA File No.: 012528 UL File No.: E29184 IEC/EN 60947



Powering Business Worldwide

Actuator

MECHANICAL HOLDING FORCE

1200 N (according to GS-ET-19 (04/2004), XNW)
1700 N (according to GS-ET-19 (04/2004), XG, XW, XNG)
1600 N (according to GS-ET-19 (04/2004), XWA, XFG, XF)

Climatic environmental conditions

AMBIENT OPERATING TEMPERATURE - MAX

40 °C

AMBIENT OPERATING TEMPERATURE - MIN

-25 °C

CLIMATIC PROOFING

Damp heat, cyclic, to IEC 60068-2-30
Damp heat, constant, to IEC 60068-2-78

Ambient conditions, mechanical

MOUNTING POSITION

As required

SHOCK RESISTANCE

10 g, Standard-action contact, Mechanical, Half-Sinusoidal shock 20 ms

Design verification

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.

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.
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

Features & functions

FUNCTIONS	For combination with LS-...ZBZ/X basic devices
MATERIAL	Stainless steel

General information

DUTY FACTOR	100 %
MODEL	Actuator with horizontal mounting
OPERATING FREQUENCY	800 Operations/h
TYPE	• Actuator • Flat, flexible compensating actuator

Resources

	eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
CATALOGUES	eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf
DRAWINGS	eaton-position-switches-ls-actuator-dimensions.eps eaton-position-switches-ls-actuator-3d-drawing.eps
INSTALLATION INSTRUCTIONS	eaton-ls-s-zbz-safety-position-switch-instruction-leaflet-il05208005z.pdf
MCAD MODEL	ls_xfg_zbz.stp eaton-limit-switch-accessories-mcad-drawings-ls-xfz-zbz.dwg
SALES NOTES	eaton-safety-switches-rs-titan-flyer-fl053001en-en-us.pdf

PROJECT NAME:

PROJECT NUMBER:

PREPARED BY:

DATE:



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