

Eaton 106833

Catalog Number: 106833

Eaton Moeller® series LS Actuator, flat

General specifications



Product Name	Catalog Number
Eaton Moeller® series LS Actuator	106833
Model Code	EAN
LS-XG-ZBZ	4015081065936
Product Length/Depth	Product Height
44 mm	2 mm
Product Width	Product Weight
35 mm	0.011 kg

Certifications

CSA Class No.: 3211-03

CSA File No.: 012528

UL 508

IEC/EN 60947-5

UL Category Control No.: NKCR

CSA

CSA-C22.2 No. 14

UL

CE

UL File No.: E29184

IEC/EN 60947



Powering Business Worldwide

Type

Actuator
Flat actuator

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.

Catalogs

[eaton-safety-switches-rs-titan-flyer-fl053001en-en-us.pdf](#)

[eaton-pushbuttons-signal-towers-sensors-assortment-overview-catalog-ca047003en-en-us.pdf](#)

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

Certification reports

[DA-DC-00004361.pdf](#)

[DA-DC-00004360.pdf](#)

Drawings

[eaton-position-switches-straight-actuator-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_betaetiger_zbz3](#)

[ls_betaetiger_zbz3.stp](#)

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.

Operating frequency

800 Operations/h

Pollution degree

3

Climatic proofing

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

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

Rated impulse withstand voltage (U_{imp})

4000 V AC

Ambient operating temperature - max

40 °C

Ambient operating temperature - min

-25 °C

Equipment heat dissipation, current-dependent P_{vid}

0 W

Heat dissipation capacity P_{diss}

0 W

Heat dissipation per pole, current-dependent P_{vid}

0 W

Rated insulation voltage (Ui)

400 V

Rated operational current for specified heat dissipation (In)

0 A

Static heat dissipation, non-current-dependent Pvs

0 W

Functions

For combination with LS-...ZBZ/X basic devices

Mounting position

As required

Material

Stainless steel

Overvoltage category

III

Duty factor

100 %

Voltage tolerance

1.1 x Us, Pick-up and drop-out values

0.85 x Us, Pick-up and drop-out values

Repetition accuracy

0.02 mm (Contacts/switching capacity)

Shock resistance

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

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)

Supply frequency

Max. 400 Hz, Contacts

Model

Standard actuator

Power consumption

8 W at 24 V DC (electromechanical actuation)

8 VA at 120 V AC (electromechanical actuation)

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

Terminal capacity (flexible with ferrule)

2 x (0.5 - 1.5) mm²

1 x (0.5 - 1.5) mm²

Terminal capacity (solid)

2 x (0.75 - 1.5) mm²

1 x (0.75 - 2.5) mm²



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