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LS-XNW-ZBZ - Compensating actuator, angled



106835 LS-XNW-ZBZ

Overview Specifications Resources



106835 LS-XNW-ZBZ

Compensating actuator, angled Alternate Catalog No. EL-Nummer (Norway)

LS-XNW-ZBZ 4356188

IEC BN 60947-5-1, IP65_x, approval of employers' liability insurance Association GS-ET-19, device for world markets, actuator for electromagnetic door interlock, the ZBZ power switch enhances the safety standard for personnel and process protection through reliable protection and locking of protective doors. The ZBZ power switch works according to two principles of operation: with magnetic force or spring-powered interlock. Spring-powered interlock lends itself optimally to personnel protection. Thus each door stays safely closed even during a power failure. In an emergency, the protective guard should be opened using an auxiliary release mechanism. Magnetic-powered interlocks are used for personnel and process protection. The protective shroud is locked when voltage is applied, in the event of power failure the protected area is directly accessible. With separate annunciation of the door position, suitable for use with electronic devices to IEC/EN 61131-2

- Delivery program
- Technical data
- Design verification as perIEC/EN 61439
- Technical data ETIM 7.0
- Approvals
- Dimensions

Delivery program

Basic function

actuators

Part group reference

LS...ZBZ/X

Function

Angled compensating actuator

Description

With increased tolerance in closing direction

Stainless steel

For use with

doors that do not close precisely

Notes

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

Technical data

General

Standards

IEC/EN 60947

Climatic proofing

Damp heat, constant, to IEC 60068-2-78; damp heat, cyclical, to IEC 60068-2-30

Mounting position

As required

Terminal capacitiesSolid

1 x (0.75 - 2.5)

2 x (0.75 - 1.5) mm²

Terminal capacities Flexible with ferrule

1 x (0.5 - 1.5)

2 x (0.5 - 1.5) mm²

Repetition accuracy

0.02 mm

Contacts/switching capacity

Rated impulse withstand voltage [U_{mp}]

4000 V AC

Rated insulation voltage [U]

400 V

Overvoltage category/pollution degree

111/3

Rated operational current [le]AC-1524 V [le]

6 A

Rated operational current [le]AC-15220 V 230 V 240 V [le]

6 A

Rated operational current [le] AC-15380 V 400 V 415 V [le]

4 A

Rated operational current [le]DC-13 24 V [le]

3 A

Rated operational current [le]DC-13 110 V [le]

0.8 A

Rated operational current [le] DC-13 220 V [le]

0.3 A

Supply frequency

max. 400 Hz

Short-circuit rating to IEC/EN 60947-5-1 max. fuse

6 A gG/gL

Mechanical variables

Mechanical shock resistance (half-sinusoidal shock, 20 ms)Standard-action contact

10 g

Operating frequency [Operations/h]

□ 800

Actuation

MechanicalMechanical holding force acc. to GS-ET-19 (04/2004)XG, XW, XNG

1700 N

Mechanical Mechanical holding force acc. to GS-ET-19 (04/2004) XWA, XFG, XF

1600 N

Mechanical Mechanical holding force acc. to GS-ET-19 (04/2004)XNW

1200 N

BectromechanicalFor magnetPower consumptionat 120 V AC 8 VA

BectromechanicalFor magnetPower consumptionat 24 V DC

8 W

BectromechanicalPick-up and drop-out values

0.85 - 1.1 x U_s

0.05 - 1.1 X O

Bectromechanical/Vagnet duty factor

100 % ⊞

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [In]

0 A

Heat dissipation per pole, current-dependent [P_{id}]

0 W

Equipment heat dissipation, current-dependent [Pid]

0 W

Static heat dissipation, non-current-dependent [Pvs]

0 W

Heat dissipation capacity [P_{diss}]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+40 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts10.2.2 Corrosion resistance

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects

Meets the product standard's requirements.

10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation

Please enquire

10.2 Strength of materials and parts 10.2.5 Lifting

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.6 Mechanical impact

Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts 10.2.7 Inscriptions

Meets the product standard's requirements.

10.3 Degree of protection of ASSEVBLIES

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 Insulation properties 10.9.2 Power-frequency electric strength

Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse with stand voltage

Is the panel builder's responsibility.

10.9 Insulation properties 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 7.0

Sensors (EG000026) / Actuator for position switch with separate actuator (EC001487)

Bectric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Actuator for position switch with separate actuator (ecl@ss10.0.1-27-27-06-05 [BAA078012])

Model

Actuator with vertical mounting

Approvals

Product Standards

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14; CE marking

UL File No.

E29184

UL Category Control No.

NKCR

CSA File No.

12528

CSA Class No.

3211-03

North America Certification

UL listed, CSA certified

Dimensions



Fixing only allowed with M5 fixing screw and washer according to DIN EN ISO 7093 □ Distance to device head = 0.1 ... 3.0 mm



CAD data

- Product-specific CAD data (Web)
- 3D Preview (Web)

DWG files

DA-CD-zbz7File (Web)

Step files

DA-CS-zbz7File (Web)

Product photo



Photo
Angled, compensating actuator

3D drawing



1310DRW-32 Line drawing



131I113 Line drawing

Angled, compensating actuator

Dimensions single product



Line drawing

Angled, compensating actuator

 \square Distance to device head = 0.1 ... 3.0 mm

Declaration of Conformity

EU

DA-DC-00003155
 Asset
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