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106838 LS-XWA-ZBZ  
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# 106838 LS-XWA-ZBZ

Actuator, angled, long  
Alternate Catalog No. LS-XWA-ZBZ  
EL-Nummer (Norway) 4356184  
Actuator, Basic function: actuators, Part group reference: LS...ZBZ/X, Function: Angled actuator, Long, Stainless steel, For use with: For swing doors above 550 mm width

## Delivery program

Basic function  
actuators  
Part group reference  
LS...ZBZ/X  
Function  
Angled actuator  
Description  
Long  
Stainless steel  
For use with  
For swing doors above 550 mm width  
**Notes**  
for combination with LS...ZBZ/X basic devices  
From width: 500 mm

## 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 capacitiesFlexible 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<sub>imp</sub>]  
4000 V AC  
Rated insulation voltage [U ]  
400 V  
Overvoltage category/pollution degree  
III/3  
Rated operational current [I<sub>b</sub>]AC-1524 V [I<sub>b</sub>]  
6 A  
Rated operational current [I<sub>b</sub>]AC-15220 V 230 V 240 V [I<sub>b</sub>]  
6 A  
Rated operational current [I<sub>b</sub>]AC-15380 V 400 V 415 V [I<sub>b</sub>]

4 A  
 Rated operational current [ $I_e$ ]DC-13 24 V [ $I_e$ ]  
 3 A  
 Rated operational current [ $I_e$ ]DC-13 110 V [ $I_e$ ]  
 0.8 A  
 Rated operational current [ $I_e$ ]DC-13 220 V [ $I_e$ ]  
 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  
 MechanicalMechanical holding force acc. to GS-ET-19 (04/2004)XWA, XFG, XF  
 1600 N  
 MechanicalMechanical holding force acc. to GS-ET-19 (04/2004)XNW  
 1200 N  
 ElectromechanicalFor magnetPower consumptionat 120 V AC  
 8 VA  
 ElectromechanicalFor magnetPower consumptionat 24 V DC  
 8 W  
 ElectromechanicalPick-up and drop-out values  
 0.85 - 1.1 x  $U_N$   
 ElectromechanicalMagnet duty factor  
 100 % ED

## Design verification as per IEC/EN 61439

Technical data for design verification  
 Rated operational current for specified heat dissipation [ $I_n$ ]  
 0 A  
 Heat dissipation per pole, current-dependent [ $P_{vid}$ ]  
 0 W  
 Equipment heat dissipation, current-dependent [ $P_{vid}$ ]  
 0 W  
 Static heat dissipation, non-current-dependent [ $P_{vs}$ ]  
 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 parts10.2.3.1 Verification of thermal stability of enclosures  
 Meets the product standard's requirements.  
 10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat  
 Meets the product standard's requirements.  
 10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation  
 Please enquire  
 10.2 Strength of materials and parts10.2.5 Lifting  
 Does not apply, since the entire switchgear needs to be evaluated.  
 10.2 Strength of materials and parts10.2.6 Mechanical impact  
 Does not apply, since the entire switchgear needs to be evaluated.  
 10.2 Strength of materials and parts10.2.7 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 Insulation properties10.9.2 Power-frequency electric strength  
 Is the panel builder's responsibility.  
 10.9 Insulation properties10.9.3 Impulse withstand voltage  
 Is the panel builder's responsibility.  
 10.9 Insulation properties10.9.4 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.

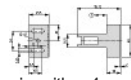
## Technical data ETIM 7.0

Sensors (EG000026) / Actuator for position switch with separate actuator (EG001487)  
 Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch /  
 Actuator for position switch with separate actuator (ec1@ss10.0.1-27-27-06-05 [BAA078012])  
 Model  
 Actuator with vertical mounting

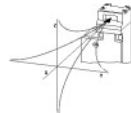
## Approvals

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



pin with a 4 mm pin after mounting  
☐ Distance to device head = 0.1 ... 3.0 mm



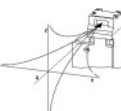
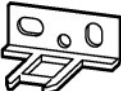
## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)
- [DA-CD-Is\\_betaetiger\\_zbz2](#)  
CAD data  
DWG files  
(Web)
- [DA-CS-Is\\_betaetiger\\_zbz2](#)  
CAD data  
Step files  
(Web)

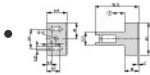
## Product photo

-   
[Photo](#)  
 Product photo  
 Photo  
 Angled actuator, long

## 3D drawing

-   
[1310DRW-32](#)  
 3D drawing  
 Line drawing
-   
[1311107](#)  
 3D drawing  
 Line drawing  
 Angled actuator, short

## Dimensions single product



1310DIM-13

Dimensions single product

Line drawing

Angled actuator, long

□ Distance to device head = 0.1 ... 3.0 mm

## Instruction Leaflet

- IL05208005Z  
Instruction Leaflet  
IL05208005Z (AWA1310-2354) LS...ZBZ Safety position switch  
(PDF, International)

## Declaration of Conformity

- DA-DC-00003155  
Declaration of Conformity  
(PDF)

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