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LS-XOR - Actuating rod



290190 LS-XOR

[Overview](#) [Specifications](#) [Resources](#)



- [Delivery program](#)

Design verification as per IEC/EN 61439

- [Technical data ETIM 7.0](#)

- [Approvals](#)

- [Dimensions](#)

# 290190 LS-XOR

Actuating rod  
Alternate Catalog No.  
EL-Nummer (Norway)  
Accessories, modular system LS-Titan

LS-XOR  
4356169

## Delivery program

Basic function  
Operating heads  
Part group reference  
LS(M)-...  
Product range  
Actuating rod  
For use with  
Basic devices LS(M)...

### Notes

The operating head can be rotated at 90° intervals to adapt to the specified approach direction.  
Do not use together with LS...-CC basic device.

## 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 [ $P_{ud}$ ]

0 W

Equipment heat dissipation, current-dependent [ $P_{ud}$ ]

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.

+70 °C

IEC/EN 61439 design verification

10.2 Strength of materials and parts 10.2.2 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 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 properties 10.9.2 Power-frequency electric strength  
Is the panel builder's responsibility.

10.9 Insulation properties 10.9.3 Impulse withstand 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) / Drive head for position switches/hinge switches (EC001483)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Drive head for position switches (ec1@ss10.0.1-27-27-06-04 [BAA083012])

Type of control element

Without actuator

## 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

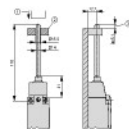
CSA Class No.

3211-03

North America Certification

UL listed, CSA certified

## Dimensions



- ☐ Approach direction, vertical
- ☐ Guide is done by customer, not included
- ☐ max. push-through

## CAD data

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

## Product photo

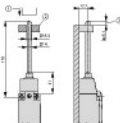


[Photo](#)  
Product photo  
Photo  
Actuating rod

## 3D drawing

- ☐ [1310DRW-3](#)  
3D drawing  
Line drawing  
Actuating rod

## Dimensions single product

-   
[1310DIM-3](#)  
Dimensions single product  
Line drawing  
Actuating rod
  - ☐ Approach direction, vertical
  - ☐ Guide is done by customer, not included
  - ☐ max. push-through

## Instruction Leaflet

- [LS-Titan Position switches: Basic device \(IL053001ZU\)](#)  
Instruction Leaflet  
(PDF, 06/2018, Language independent)

## Declaration of Conformity

- [DA-DC-00003068](#)  
Declaration of Conformity  
(PDF)

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