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LSR-S02-1-I/TKG - Hasp-operated safety switch, LSR, Hasp-operated safety switch, Complete unit, 2 NC, Insulated material, Screw terminal, -25 - +70 °C



106848 LSR-S02-1-I/TKG

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106848 LSR-S02-1-I/TKG

Hasp-operated safety switch, LSR, Hasp-operated safety switch, Complete unit, 2 NC, Insulated material, Screw terminal, -25 - +70 °C

Alternate Catalog No.

LSR-S02-1-I/TKG

EL-Nummer (Norway)

4356190

Hasp-operated safety switch, Basic function: Position switches, Safety position switches, Part group reference: LSR, Product range: Hasp-operated safety switch, Degree of Protection: IP65, Features: Complete unit, Ambient temperature: -25 - +70 °C, Contacts N/C = Normally closed: 2 NC, Notes: = safety function, by positive opening to IEC/EN 60947-5-1, Housing: Insulated material, Connection type: Screw terminal, Standards: IEC/EN 60947

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Delivery program

Basic function

Position switches

Safety position switches

Part group reference

LSR

Product range

Hasp-operated safety switch

Degree of Protection

IP65

Features

Complete unit

Ambient temperature

-25 - +70 °C

Approval



Contacts

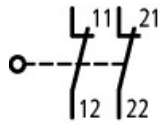
N/C = Normally closed

2 NC □

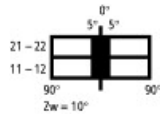
Notes

□ = safety function, by positive opening to IEC/EN 60947-5-1

Contact sequence



Contact travel ■ = Contact closed □ = Contact open



Housing

Insulated material

Connection type

Screw terminal

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

Ambient temperature

-25 - +70 °C

Bunting position

As required

Degree of Protection

IP65

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/sw itching capacity

Rated impulse withstand voltage [U_{imp}]

6000 V AC

Rated insulation voltage [U_i]

500 V

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

6 A

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

6 A

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

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 60947-5-1max. fuse

6 A gG/gL

Rated conditional short-circuit current

1 kA

Mechanical variables

Lifespan, mechanical [Operations]

1 x 10⁶

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

25 g

Operating frequency [Operations/h]

□ 1800

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_n]

6 A

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

0.13 W

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

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

Meets the product standard's requirements.

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

The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.

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) / End switch (EC000030)

Electric engineering, automation, process control engineering / Binary sensor technology, safety-related sensor technology / Position switch / Position switch (Type 1) (ecl@ss10.0.1-27-27-06-01 [AGZ382015])

Width sensor

30 mm

Diameter sensor

0 mm

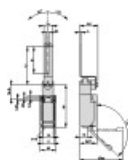
Height of sensor
91 mm
Length of sensor
32 mm
Rated operation current I_e at AC-15, 24 V
6 A
Rated operation current I_e at AC-15, 125 V
6 A
Rated operation current I_e at AC-15, 230 V
6 A
Rated operation current I_e at DC-13, 24 V
3 A
Rated operation current I_e at DC-13, 125 V
0.3 A
Rated operation current I_e at DC-13, 230 V
0 A
Switching function
Slow-action switch
Switching function latching
No
Output electronic
No
Forced opening
Yes
Number of safety auxiliary contacts
0
Number of contacts as normally closed contact
2
Number of contacts as normally open contact
0
Number of contacts as change-over contact
0
Type of interface
None
Type of interface for safety communication
None
Construction type housing
Cuboid
Material housing
Plastic
Coating housing
Other
Type of control element
Rotary lever
Alignment of the control element
Other
Type of electric connection
Cable entry metrical
With status indication
No
Suitable for safety functions
Yes
Explosion safety category for gas
None
Explosion safety category for dust
None
Ambient temperature during operating
25 - 70 °C
Degree of protection (IP)
IP65
Degree of protection (NEVA)
13

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
Degree of Protection
IEC: IP65, UL/CSA Type 3R, 4X (indoor use only), 12, 13

Dimensions



CAD data

- [Product-specific CAD data](#)
(Web)
- [3D Preview](#)
(Web)

DWG files

- [DA-CD-lsr_tkg](#)
File
(Web)

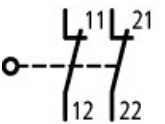
edz files

- [DA-CE-ETN.LSR-S02-1-I_TKG](#)
File
(Web)

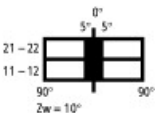
Step files

- [DA-CS-lsr_tkg](#)
File
(Web)

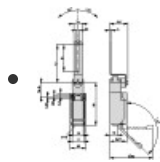
Wiring diagram

- 
[131S018](#)
Line drawing
2 break contacts

Contact travel diagram

- 
[131U065](#)
Coordinate visualization
Contact travel diagram

Dimensions single product



131X095

Line drawing

Safety door flap switch

3D drawing



131I148

Line drawing

Safety door flap switch

Product photo



1310PIC-185

Photo

Safety door flap switch

Instruction Leaflet

- [Hasp-Operated Safty Switches and Hinge-Operated Safty Switches \(IL05208006Z\)](#)

Asset

former AWA1310-2363

(PDF, 05/2021, multilingual)

Standards



0000SPC-495

Logo

Certification: DGVV ET17042



000Z400

Logo

BG TestCert ET 00111

Declaration of Conformity

EU

- [Safety position switch LSR-.. \(DA-DC-00003470\)](#)

Asset

(PDF)

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