



Overview

Specifications

Resources







DELIVERY PROGRAM

Delivery program

Basic function accessories Contact elements

Technical data

Description

Design verification as per IEC/EN 61439

Assembly of contact element with screw terminals and fixing adapter

Technical data ETIM 7.0

Connection technique Screw terminals

Approvals

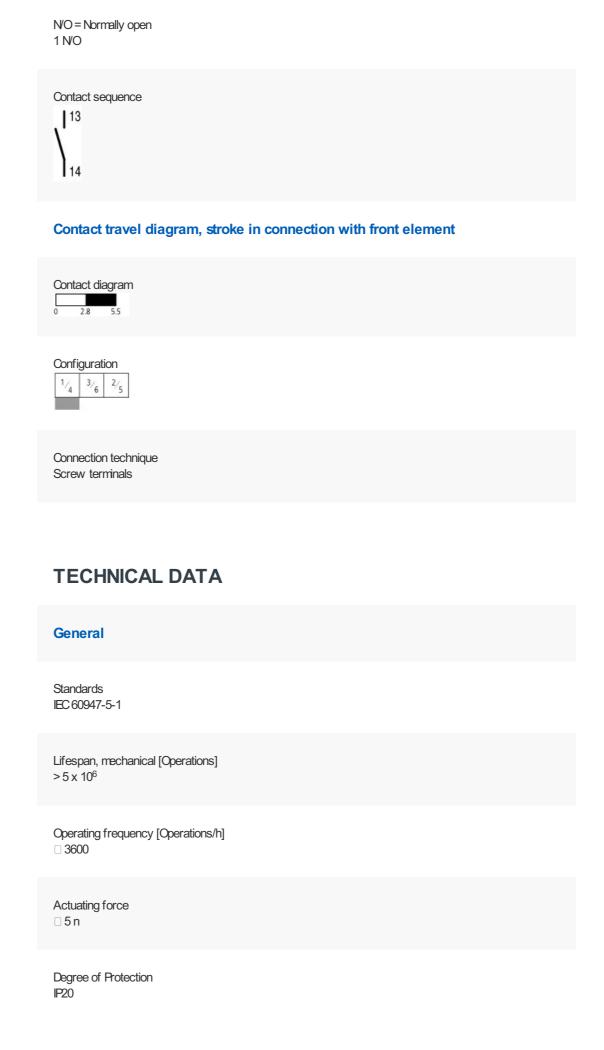
Fixing Front fixing

Dimensions

Degree of Protection IP20

Connection to SmartWire-DT no

Contacts



Olimatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Ambient temperature Open -25 - +70 °C

Terminal capacities Solid 0.75 - 2.5 mm²

Terminal capacities Stranded 0.5 - 2.5 mm²

Terminal capacities
Flexible with ferrule
0.5 - 1.5 mm²

Contacts

Rated impulse withstand voltage [U_{mp}] 6000 V AC

Rated insulation voltage [U] 500 V

Overvoltage category/pollution degree III/3

Control circuit reliability at 24 V DC/5 mA [H_F] < 10⁻⁷, < 1 fault in 10⁷ operations Fault probability

Control circuit reliability at 5 V DC/1 mA [H=] < 5 x 10-6, < 1 failure in 5 x 106 operations Fault probability

Max. short-circuit protective device Fuseless PKZM0-10/FAZ-B6/1 Type

Max. short-circuit protective device Fuse [gG/gL]

Switching capacity

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Rated operational current [l<sub>e</sub>]
AC-15
115 V [l<sub>e</sub>]
6 A
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Rated operational current [l_e] AC-15 220 V 230 V 240 V [l_e] 6 A

Rated operational current [I $_{\rm e}$] AC-15 380 V 400 V 415 V [I $_{\rm e}$] 4 A

Rated operational current [Ie] AC-15 500 V [Ie] 2 A

Rated operational current [l_e] DC-13 24 V [l_e] 3 A

Rated operational current [l_e] DC-13 42 V [l_e] 1.7 A

Rated operational current [l_e] DC-13 60 V [l_e] 1.2 A

Rated operational current [l_e] DC-13 110 V [l_e] 0.8 A

Rated operational current [I $_{\rm e}$] DC-13 220 V [I $_{\rm e}$] 0.3 A

Lifespan, electrical AC-15 230 V/0.5 A [Operations] 1.6 x 10⁶

Lifespan, electrical AC-15 230 V/1.0 A [Operations] 1 x 10⁶

Lifespan, electrical AC-15 230 V/3.0 A [Operations] 0.7 x 10⁶

Lifespan, electrical DV-13 12 V/2.8 A [Operations] 1.2 x 10⁶

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 $[P_{id}]$ 0.11 W

Equipment heat dissipation, current-dependent $[P_{id}]$ 0 W

Heat dissipation capacity $[P_{\text{diss}}]$ 0 W

Operating ambient temperature min. -25 $^{\circ}\text{C}$

IEC/EN 61439 design verification

10.2 Strength of materials and parts10.2.2 Corrosion resistanceMeets the product standard's requirements.

10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosuresMeets 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 Weets 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 parts10.2.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts10.2.6 Mechanical impactDoes not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts10.2.7 InscriptionsMeets 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 withstand voltage Is the panel builder's responsibility.

10.9 Insulation properties10.9.4 Testing of enclosures made of insulating materialIs 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.

The device meets the requirements, provided the information in the instruction leaflet ($\rm IL$) is observed.

TECHNICAL DATA ETIM 7.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss10.0.1-27-37-13-02 [AKN342013])
Number of contacts as change-over contact 0
Number of contacts as normally open contact 1
Number of contacts as normally closed contact 0
Number of fault-signal switches
Rated operation current le at AC-15, 230 V 6 A
Type of electric connection Screw connection
Model Top mounting
Mounting method Front fastening
Lamp holder None

APPROVALS

Product Standards IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No. E29184
UL Category Control No. NKCR
CSA File No. 012528
CSA Class No. 3211-03
North America Certification UL listed, CSA certified
Degree of Protection UL/CSA Type: -

DIMENSIONS

A = 37.2







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