



Overview

Specifications

Resources







DELIVERY PROGRAM

Delivery program

Basic function accessories Contact elements

Technical data

Connection technique Screw terminals

Design verification as per IEC/EN 61439

Fixing Base fixing

Technical data ETIM 7.0

Degree of Protection IP20

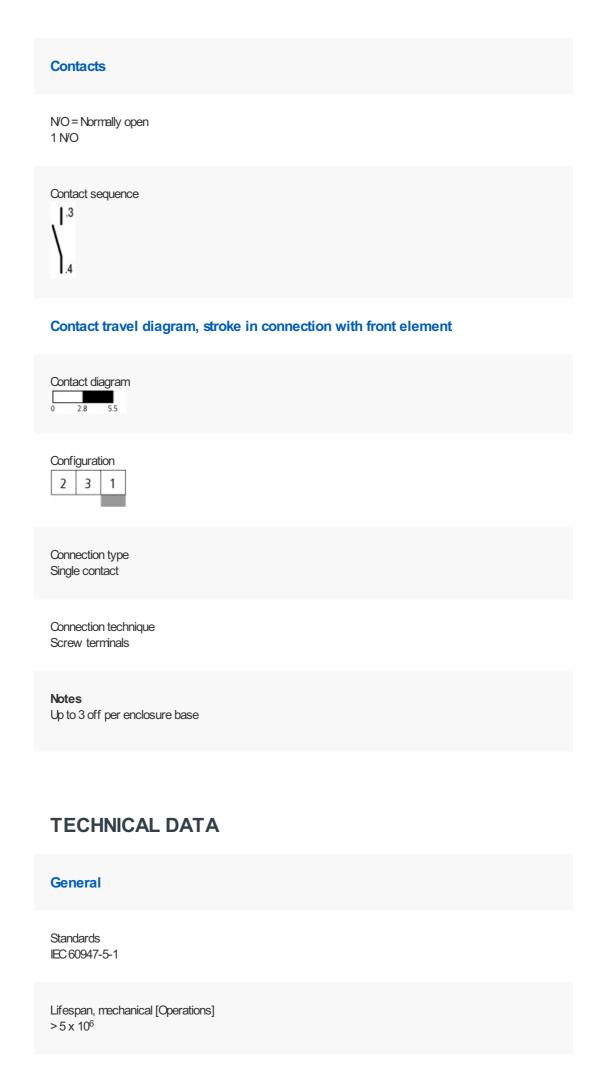
Approvals

Connection to SmartWire-DT

Dimensions

no





Operating frequency [Operations/h] □ 3600
Actuating force □ 5 n
Operating torque (screw terminals)
Degree of Protection IP20
Olimatic proofing Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature Open -25 - +70 °C
Mechanical shock resistance to IEC 60068-2-27 Shock duration 11 ms, half-sinusoidal > 30 g
Terminal capacities Solid 0.75 - 2.5 mm ²
Terminal capacities Stranded 0.5 - 2.5 mm²
Terminal capacities Flexible with ferrule 0.5 - 1.5 mm ²
Contacts
Rated impulse withstand voltage [U _{mp}] 6000 V AC
Rated insulation voltage [U _i] 500 V

Overvoltage category/pollution degree

Control circuit reliability at 24 V DC/5 mA [H=] $< 10^{-7}$ (i.e. 1 failure to 10^{7} operations) Fault probability

Control circuit reliability at 5 V DC/1 mA [H=] $<5\times10^{-6}$ (i.e. 1 failure in 5×10^{6} operations) Fault probability

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

Max. short-circuit protective device Fuse [gG/gL] 10 A

Switching capacity

Rated operational current [l_e] AC-15 115 V [l_e] 6 A

Rated operational current [l_e] AC-15 220 V 230 V 240 V [l_e] 6 A

Rated operational current [le] AC-15 380 V 400 V 415 V [le] 4 A

Rated operational current [le] AC-15 500 V [le] 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] 0.6 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 $[P_{\text{id}}]$ 0 W

Static heat dissipation, non-current-dependent $[P_{\!\scriptscriptstyle V\!S}]$ 0 W

Heat dissipation capacity [P_{diss}] 0 W

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

Operating ambient temperature max. +70 $^{\circ}$ 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 parts 10.2.3.1 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 heatMeets 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 Weets 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 Pow er-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

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

Bectric 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

Number of contacts as normally closed contact

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 Floor 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

Pushbutton with M22-(C)K... Pushbutton with M22-(C) LED... + M22-XLED...







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