



Overview

Specifications

Resources

DELIVERY PROGRAM







Delivery program

RMQ design

Technical data

Classical

Design verification as per IEC/EN 61439

Part group reference (e.g. DIL)

Mounting hole diameter $[\Box]$ 22.5 mm

Technical data ETIM 7.0

Basic function Potentiometer

Approvals

Dimensions

Single unit/Complete unit Single unit

Description

3 individual screw terminals

Accuracy of resistance value: ± 10% (linear) mechanical angle of rotation: 285° (+0/-5°)

Contact sequence



Impedance [R] $470 \text{ k}\Omega$

Rated power [P] 0.5 W

Degree of Protection IP66

Front ring Bezel: black

Connection to SmartWire-DT no

TECHNICAL DATA

General

Standards IEC/EN 60947 VDE 0660

Lifespan, mechanical [Operations] 25000

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

Degree of Protection IP66

Ambient temperature Open -25 - +70 °C Mounting position As required

Mechanical shock resistance 30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27 g

Terminal capacities Solid 0.5 - 1.5 mm²

Terminal capacities Stranded 0.5 - 1.5 mm²

Tightening torque for terminal screw 0.5 Nm

shipping classification DNV GL LR



Contacts

Rated impulse withstand voltage [U_{mp}] 4000 V AC

Rated insulation voltage [U] 250 V

Overvoltage category/pollution degree

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_{id}] 0 W

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

Static heat dissipation, non-current-dependent $[P_{\!\scriptscriptstyle V\!S}]$ 0.5 W

Heat dissipation capacity [P_{diss}] 0 W

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

Operating ambient temperature max. +70 °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 Please enquire

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 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) / Potentiometer for control circuit devices (EC001027)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Potentiometer for command devices (ecl@ss10.0.1-27-37-12-27 [AKF045014])

Resistance 470000 Ohm

Power consumption 0.5 W

Hole diameter 22.5 mm

Number of revolutions

Type of electric connection

Crew connection

Degree of protection (IP)
IP66

Degree of protection (NEVA)
4X

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 3R, 4X, 12, 13

DIMENSIONS







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