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HI21-P5-125/160Z - Auxiliary contact, 2NO+1NC, for P5, 125A, rear mounting



280964 HI21-P5-125/160Z

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## 280964 HI21-P5-125/160Z

Auxiliary contact, 2NO+1NC, for P5, 125A, rear mounting

EL-Nummer (Norway)

1417192

Auxiliary contact, Product range: Accessories, Part group reference: P5, Late-break switching-on behavior, early-make switching-off behavior, The NO is always connected as a load-shedding contact., For left or right side mounting, Contacts NO = Normally open: 2 NO, Contacts NC = Normally closed: 1 NC, For use with: P5-125(160)/Z(V)

### Delivery program

Product range

Accessories

Basic function

Auxiliary contact

Part group reference

P5

Late-break switching-on behavior, early-make switching-off behavior

The NO is always connected as a load-shedding contact.

For left or right side mounting

Contacts

NO = Normally open

2 NO

NC = Normally closed

1 NC

For use with

P5-125(160)/Z(V)

For use with

P5-125, P5-160, intermediate

Rated uninterrupted current [ $I_N$ ]

10 A

### Technical data

Auxiliary contacts

Standards

Control circuit isolator to IEC/EN 60947-5  
 Rated insulation voltage [U] Rated insulation voltage [U]  
 500 V AC  
 Rated uninterrupted current [I<sub>u</sub>] Rated uninterrupted current [I<sub>u</sub>]  
 10 A  
 Rated operational current [I<sub>e</sub>] AC-15 230 V [I<sub>e</sub>] AC-15 with 230 V [I<sub>e</sub>]  
 6 A  
 Rated operational current [I<sub>e</sub>] AC-15 400 V/415 V [I<sub>e</sub>] 380 V 415 V [I<sub>e</sub>]  
 3 A  
 Rated operational current [I<sub>e</sub>] DC-13 [I<sub>e</sub>] 125 V [I<sub>e</sub>]  
 0.23 A  
 Rated operational current [I<sub>e</sub>] DC-13 [I<sub>e</sub>] 250 V [I<sub>e</sub>]  
 0.1 A  
 Short-circuit rating Maximum fuse  
 10 A gG/gL  
 Terminal capacities Solid  
 0.5 - 2.5 mm<sup>2</sup>  
 Terminal capacities Flexible with ferrules to DIN 46228  
 0.5 - 2.5 mm<sup>2</sup>  
 Terminal capacities Stripping length  
 8 mm  
 Tightening torque  
 0.8 Nm  
 Control circuit reliability at 24 V DC, 10 mA [Fault probability]  
 < 10<sup>-5</sup>, < 1 failure in 100000 operations H-

## Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I<sub>n</sub>]

6 A

Heat dissipation per pole, current-dependent [P<sub>id</sub>]

0.11 W

Equipment heat dissipation, current-dependent [P<sub>id</sub>]

0 W

Static heat dissipation, non-current-dependent [P<sub>is</sub>]

0 W

Heat dissipation capacity [P<sub>diss</sub>]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+50 °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

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

2

Number of contacts as normally closed contact

1

Number of fault-signal switches

0

Rated operation current  $I_e$  at AC-15, 230 V

6 A

Type of electric connection

Screw connection

Model

Top mounting

Mounting method

Side mounting

Lamp holder

Other

## Approvals

Product Standards

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-5; CE marking

UL File No.

E36332

UL Category Control No.

NLRV, NLRV7

CSA File No.

223805

CSA Class No.

3211-03

North America Certification

Request filed for UL, CSA certified

## CAD data

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

## DWG files

- [DA-CD-hi21\\_p5\\_125\\_160\\_z](#)

File  
(Web)


edz files

- [DA-CE-ETN.HI21-P5-125\\_160Z](#)  
File  
(Web)

Step files

- [DA-CS-hi21\\_p5\\_125\\_160\\_z](#)  
File  
(Web)

3D drawing

-   
[1151055](#)  
Line drawing  
Auxiliary contacts

Product photo

-   
[1150PIC-41](#)  
Photo  
Auxilliary switch P5

Instruction Leaflet

- [Switch-Disconnecter P5: auxiliary switch \(IL03802009Z\)](#)  
Asset  
(PDF, multilingual)

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