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N-P1E- Neutral conductor, 4th pole, N for P1E



000651 N-P1E

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000651 N-P1E

Neutral conductor, 4th pole, N for P1E

EL-Nummer (Norway)

1456565

Accessories to cam switches T/switch-disconnectors P according to IEC/EN60947-3, design general: insulating material-surface mounting enclosure, flush mounting, centre mounting, rear mounting I/VS service distribution board mounting. The capable, robust, compact T cam switches are used in industry, handwork, and building services management. A variety of standard circuits are available for selection. Special customer-specific circuits are implemented as supplements. The possibilities are almost unlimited here. Comprehensive accessories complete the switch range and supplement application possibilities.

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Delivery program

Basic function

neutral conductor

Function

Switched neutrals

The N contact always behaves as an early-make contact when switching on and as a late-break contact when switching off.

N-P1(P3)... switching capacity same as for contacts P1(P3)-...

For left or right side mounting

For use with

P1-.../E, .../EA, .../EZ

For use with

Flush mounting

Terminal capacities

Stripping length

10.5 mm

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_r]

32 A

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

1.8 W

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

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.

+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) / Accessories for low-voltage switch technology (EC002498)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Component for low-voltage switch technology (accessories) (ecl@ss10.0.1-27-37-13-92 [AKN570013])

Type of accessory

4th pole

Approvals

Product Standards

UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94; IEC/EN 60947-3; CE marking

UL File No.

E36332

UL Category Control No.

NLRV

CSA File No.

12528

CSA Class No.

3211-05

North America Certification
UL listed, CSA certified

Dimensions



CAD data

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

DWG files

- [DA-CD-115_115_01_01](#)
File
(Web)

edz files

- [DA-CE-ETN.N-P1E](#)
File
(Web)


Step files

- [DA-CS-651](#)
File
(Web)

Dimensions single product

- 
[115X408](#)
Line drawing
Components

3D drawing

- 
[115I054](#)
Line drawing
Neutral pole

Product photo

- 
[115A034](#)
Photo
Neutral conductor

Instruction Leaflet

- [Switch-Disconnectors P1 for flush mounting \(IL03802003Z\)](#)
Asset
former AWA1150-1891
(PDF, 06/2021, multilingual)

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