



## Neutral conductor, switched neutral, for P3

Part no. **N-P3E**  
 Catalog No. **062432**

EL-Nummer  
 (Norway) **0001456528**

## 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.<br>N-P1(P3)... switching capacity same as for contacts P1(P3)-...<br>For left or right side mounting |
| For use with   |  |    | P3-.../E, .../EA...  |
| For use with   |  |    | Flush mounting   |
| <b>Terminal capacities</b>   |  |    |  |
| Stripping length   |  | mm | 13.5   |
| <b>Notes</b> in combination with P3-100...: $I_U = \max. 90 \text{ A}$ |  |    |  |

## Design verification as per IEC/EN 61439

|  |            |    |  |
|--|------------|----|--|
| Technical data for design verification   |            |    |  |
| Rated operational current for specified heat dissipation   | $I_n$      | A  | 100  |
| Heat dissipation per pole, current-dependent   | $P_{vid}$  | W  | 7.5  |
| Equipment heat dissipation, current-dependent  | $P_{vid}$  | W  | 0  |
| Static heat dissipation, non-current-dependent   | $P_{vs}$   | W  | 0  |
| Heat dissipation capacity  | $P_{diss}$ | W  | 0  |
| Operating ambient temperature min.   |            | °C | -25  |
| Operating ambient temperature max.   |            | °C | 50   |
| IEC/EN 61439 design verification   |            |    |  |
| 10.2 Strength of materials and parts   |            |    |  |
| 10.2.2 Corrosion resistance  |            |    | Meets the product standard's requirements.   |
| 10.2.3.1 Verification of thermal stability of enclosures   |            |    | Meets the product standard's requirements.   |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat   |            |    | Meets the product standard's requirements.   |
| 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.   |
| 10.2.4 Resistance to ultra-violet (UV) radiation   |            |    | Meets the product standard's requirements.   |
| 10.2.5 Lifting   |            |    | Does not apply, since the entire switchgear needs to be evaluated.   |
| 10.2.6 Mechanical impact   |            |    | Does not apply, since the entire switchgear needs to be evaluated.   |
| 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.   |
| 10.9.3 Impulse withstand voltage   |            |    | Is the panel builder's responsibility.   |
| 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

