

Standard auxiliary contact, NHI-E, 1 N/O, 1 NC, Can be fitted to the front,  
Screw terminals

Part no. NHI-E-11-PKZ0  
Catalog No. 082882  
Alternate Catalog XTPAXFA11  
No.  
EL-Nummer 4355153  
(Norway)

## Delivery program

|   |  |   |
|---|--|---|
| Product range   |  | Accessories   |
| Accessories   |  | Standard auxiliary contact  |
|   |  | Can be fitted to the front<br>Terminal designation differs to that of an auxiliary contact that can be fitted to the side |
| <b>Contacts</b>   |  |   |
| N/O = Normally open   |  | 1 N/O   |
| N/C = Normally closed   |  | 1 NC  |
| Connection technique  |  | Screw terminals   |
| For use with  |  | PKZ0(4) standard auxiliary contacts   |
| For use with  |  | PKZM01<br>PKZM0<br>PKZM4<br>PKZM0-T<br>PKM0<br>PKE  |
| <b>Notes</b> Can be fitted to:<br>Motor protective circuit-breaker<br>Transformer-protective circuit-breaker<br>Motor protective circuit breaker for starter combinations<br>(From serial number 01)<br>45 mm (PKZM0 and PKZM01) or 55 mm (PKZM4) widths of the motor-protective circuit-breakers remain unchanged. |  |   |

## Technical data

### Auxiliary contacts

|  |              |               |   |
|--|--------------|---------------|---|
| Rated impulse withstand voltage              | $U_{imp}$    | V AC          | 4000  |
| Overvoltage category/pollution degree        |              |               | III/3   |
| Rated operational voltage                    | $U_e$        | V             |   |
|  | $U_e$        | V AC          | 440   |
|  | $U_e$        | V DC          | 250   |
| Safe isolation to EN 61140                   |              |               |   |
| Between auxiliary contacts and main contacts |              | V AC          | 690   |
| Rated operational current                    | $I_e$        | A             |   |
| AC-15  |              |               |   |
| 220 - 240 V                                  | $I_e$        | A             | 1   |
| DC-13 L/R - 100 ms                           |              |               |   |
| 24 V   | $I_e$        | A             | 2   |
| Lifespan                                     |              | S             |   |
| Lifespan, mechanical                         | Operations   | $\times 10^6$ | > 0.1   |
| Lifespan, electrical                         | Operations   | $\times 10^6$ | 0.1   |
| Control circuit reliability                  | Failure rate | $\lambda$     | $< 10^{-8}$ , < one failure at 100 million operations<br>(at $U_e = 24$ V DC, $U_{min} = 17$ V, $I_{min} = 5.4$ mA) |
| Short-circuit rating without welding         |              |               |   |
| Fuse   |              | A gG/gL       | 10  |

### Terminal capacities

|   |        |            |
|---|--------|------------|
| Solid or flexible conductor, with ferrule | $mm^2$ | 0,75 - 1,5 |
| Solid or stranded                         | AWG    | 18 - 16    |

### Rating data for approved types

|            |  |  |
|------------|--|--|
| Pilot Duty |  |  |
|------------|--|--|

|             |  |   |      |
|-------------|--|---|------|
| AC operated |  |   | E150 |
| General Use |  |   |      |
| DC          |  | V | 250  |
| DC          |  | A | 0.5  |

## Design verification as per IEC/EN 61439

|  |            |    |  |
|--|------------|----|--|
| Technical data for design verification   |            |    |  |
| Rated operational current for specified heat dissipation   | $I_n$      | A  | 1  |
| Heat dissipation per pole, current-dependent   | $P_{vid}$  | W  | 0.01   |
| 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 | 55   |
| 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 8.0

|  |  |   |                  |
|--|--|---|------------------|
| 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  |  |   | 1                |
| Number of contacts as normally closed contact  |  |   | 1                |
| Number of fault-signal switches  |  |   | 0                |
| Rated operation current $I_e$ at AC-15, 230 V  |  | A | 1                |
| Type of electric connection  |  |   | Screw connection |
| Model  |  |   | Top mounting     |
| Mounting method  |  |   | Front fastening  |
| Lamp holder  |  |   | None             |

