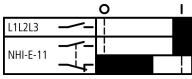
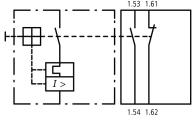




**Standard auxiliary contact, 1N/O+1N/C, flush mounting, screw connection**

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

**Delivery program**

|  |  |   |
|--|--|---|
| Product range  |  | Accessories   |
| Accessories  |  | Standard auxiliary contact  |
| <b>Contacts</b>  |  |   |
| N/O = Normally open  |  | 1 N/O   |
| N/C = Normally closed  |  | 1 NC  |
| Contact diagram  |  |   |
| Contact sequence   |  |  |
| 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                                  |
| <p><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.</p> |  |   |

**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             |  |
|  |              | V AC          | 440  |
|  |              | 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 |

|                                      |         |  |  |
|--------------------------------------|---------|--|--|
|                                      |         |  | (at $U_e = 24\text{ V DC}$ , $U_{\min} = 17\text{ V}$ , $I_{\min} = 5.4\text{ mA}$ ) |
| Short-circuit rating without welding |         |  |  |
| Fuse                                 | A gG/gL |  | 10   |

### Terminal capacities

|   |                 |  |            |
|---|-----------------|--|------------|
| Solid or flexible conductor, with ferrule | mm <sup>2</sup> |  | 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 7.0

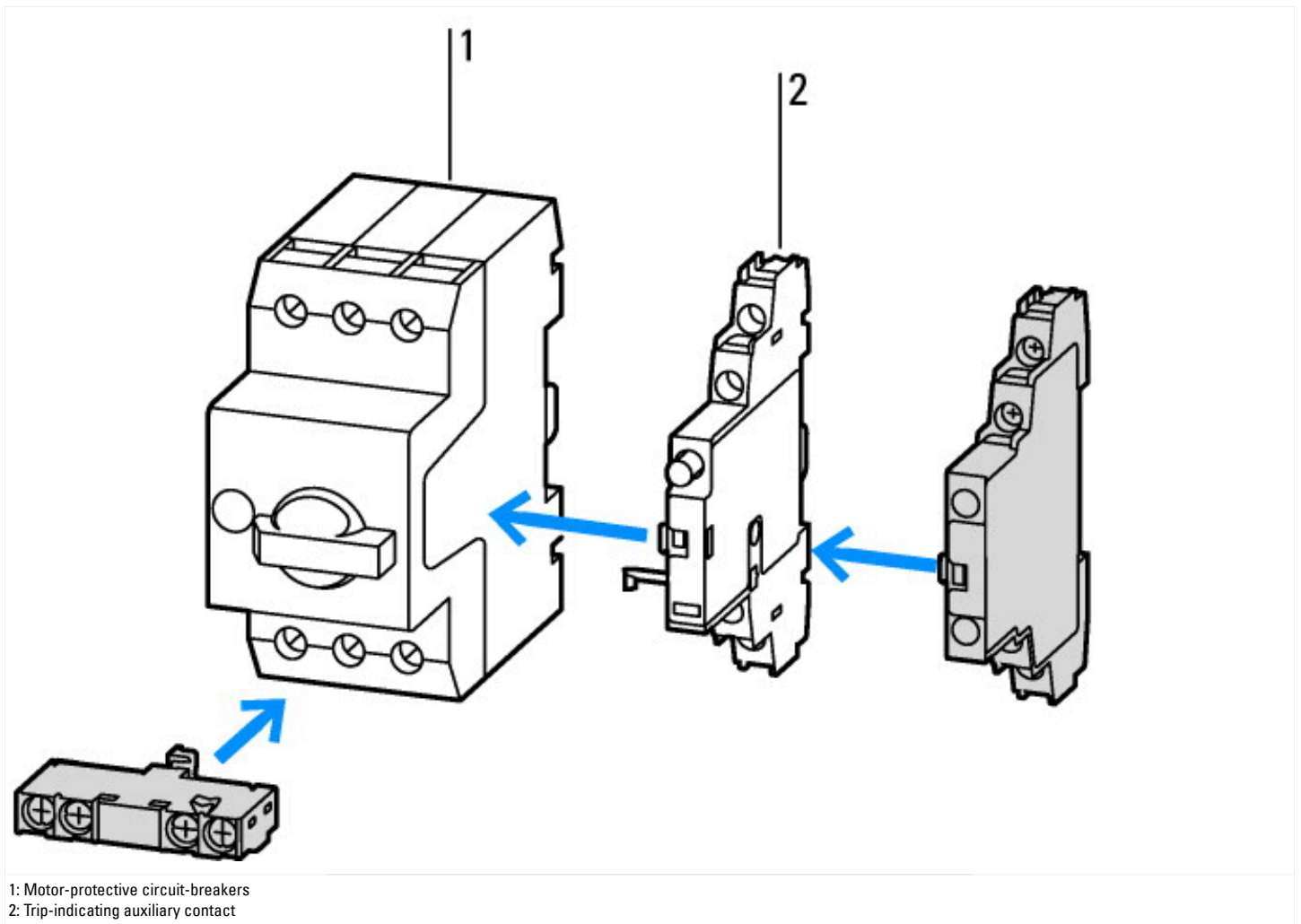
|   |  |  |   |
|---|--|--|---|
| Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)   |  |  |   |
| Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ec@ss10.0.1-27-37-13-02 [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 <sub>e</sub> at AC-15, 230 V | A | 1                |
| Type of electric connection                            |   | Screw connection |
| Model  |   | Top mounting     |
| Mounting method  |   | Front fastening  |
| Lamp holder  |   | None             |

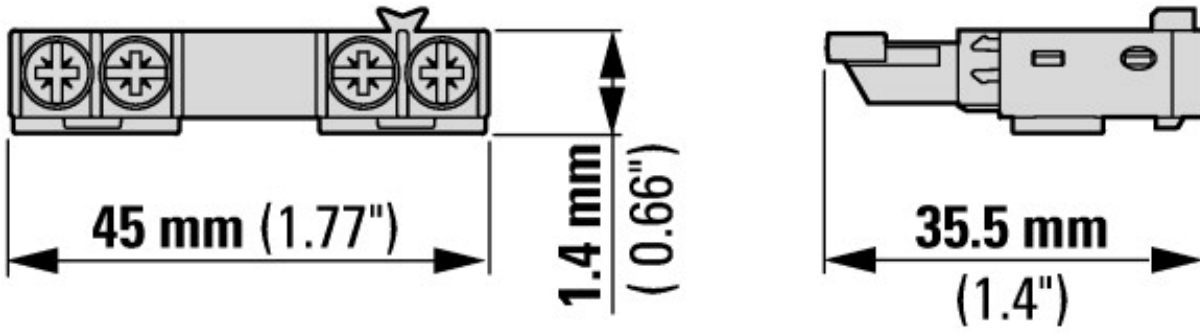
## Approvals

|                                      |  |  |
|--------------------------------------|--|--|
| Product Standards                    |  | UL 508; CSA-C22.2 No. 14; IEC60947-4-1; CE marking |
| UL File No.                          |  | E36332   |
| UL Category Control No.              |  | NLRV   |
| CSA File No.                         |  | 165628   |
| CSA Class No.                        |  | 3211-05  |
| North America Certification          |  | UL listed, CSA certified                           |
| Specially designed for North America |  | No   |

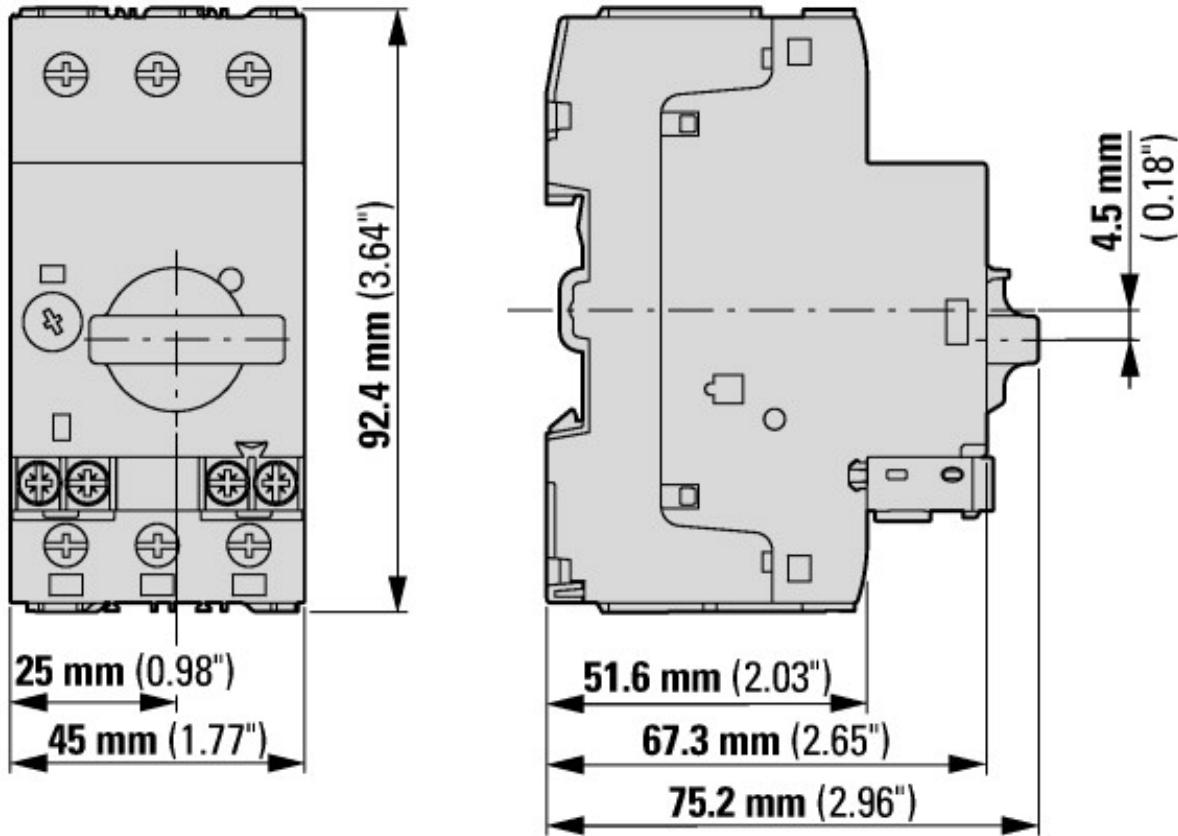
## Characteristics



## Dimensions



PKZM0-...(+NHI-E-...-PKZ0)  
 PKZM0-...-T(+NHI-E-...-PKZ0)  
 PKM0-...(+NHI-E-...-PKZ0)



## Assets (links)

### Declaration of CE Conformity

00003119

### Instruction Leaflets

IL03402034Z2018\_06

## Additional product information (links)

### IL03402034Z (AWA1210-1945) Motor-protective circuit-breaker, Starter

IL03402034Z (AWA1210-1945) Motor-protective circuit-breaker, Starter [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03402034Z2018\\_06.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03402034Z2018_06.pdf)

### IL03801004Z (AWA1210-1501) Integrated auxiliary contact

IL03801004Z (AWA1210-1501) Integrated auxiliary contact [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03801004Z2018\\_12.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801004Z2018_12.pdf)

Motor starters and "Special Purpose Ratings" for the North American market [http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct\\_3258146.pdf](http://www.eaton.eu/ecm/groups/public/@pub/@europe/@electrical/documents/content/pct_3258146.pdf)

Busbar Component Adapters for modern Industrial control panels [http://www.moeller.net/binary/ver\\_techpapers/ver960en.pdf](http://www.moeller.net/binary/ver_techpapers/ver960en.pdf)