

AUXILIARY SWITCH NHI-PKZ0



Powering Business Worldwide™

Part no. NHI21-PKZ0
Article no. 072894

Catalog No. XTPAXSA21

Delivery programme

| | | |
|---|--|--|
| Product range | | Accessories |
| Accessories | | Standard auxiliary contact |
| For use with | | PKZ0(4) standard auxiliary contacts |
| Contacts | | |
| N/O = Normally open | | 2 N/O |
| N/C = Normally closed | | 1 NC |
| Contact diagram | | |
| Contact sequence | | |
| Connection technique | | Screw terminals |
| For use with | | PKZM01 PKZM0 PKZM4 PKZM0-T PKM0 PKE |
| Notes | | |
| Can be fitted to the right of motor-protective circuit-breakers, transformer-protective circuit-breakers, motor-protective circuit-breakers for starter combinations. | | |
| Can be combined with: | | |
| AGM, NHI-E... trip-indicating auxiliary contact | | |

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 |

Auxiliary contacts

| | | | |
|--|-----------|---------|-------|
| Rated impulse withstand voltage | U_{imp} | V AC | 6000 |
| Overvoltage category/pollution degree | | | III/3 |
| Rated operational voltage | U_e | V | |
| | U_e | V AC | 500 |
| | 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 | 3.5 |
| 380 - 415 V | I _e | A | 2 |
| 440 V 500 V | I _e | A | 1 |
| DC-13 L/R - 100 ms | | | |
| 24 V | I _e | A | 2 |
| 60 V | I _e | A | 1.5 |
| 110 V | I _e | A | 1 |
| 220 V | I _e | A | 0.25 |
| Lifespan | | S | |
| Lifespan, mechanical | Operations | x 10 ⁶ | > 0.1 |
| Lifespan, electrical | Operations | x 10 ⁶ | 0.05 |
| Control circuit reliability | Failure rate | λ | <10 ⁻⁸ , < one failure at 100 million operations (at U _e = 24 V DC, U _{min} = 17 V, I _{min} = 5.4 mA) |
| interlocked opposing contacts | | | yes |
| Short-circuit rating without welding | | | |
| Fuseless | | Type | FAZ-B4/1-HI |
| Fuse | | A gG/ gL | 10 |

Terminal capacities

| | | | |
|---|--|-----------------|------------|
| Solid or flexible conductor, with ferrule | | mm ² | 0.75 - 2.5 |
| Solid or stranded | | AWG | 18 - 14 |

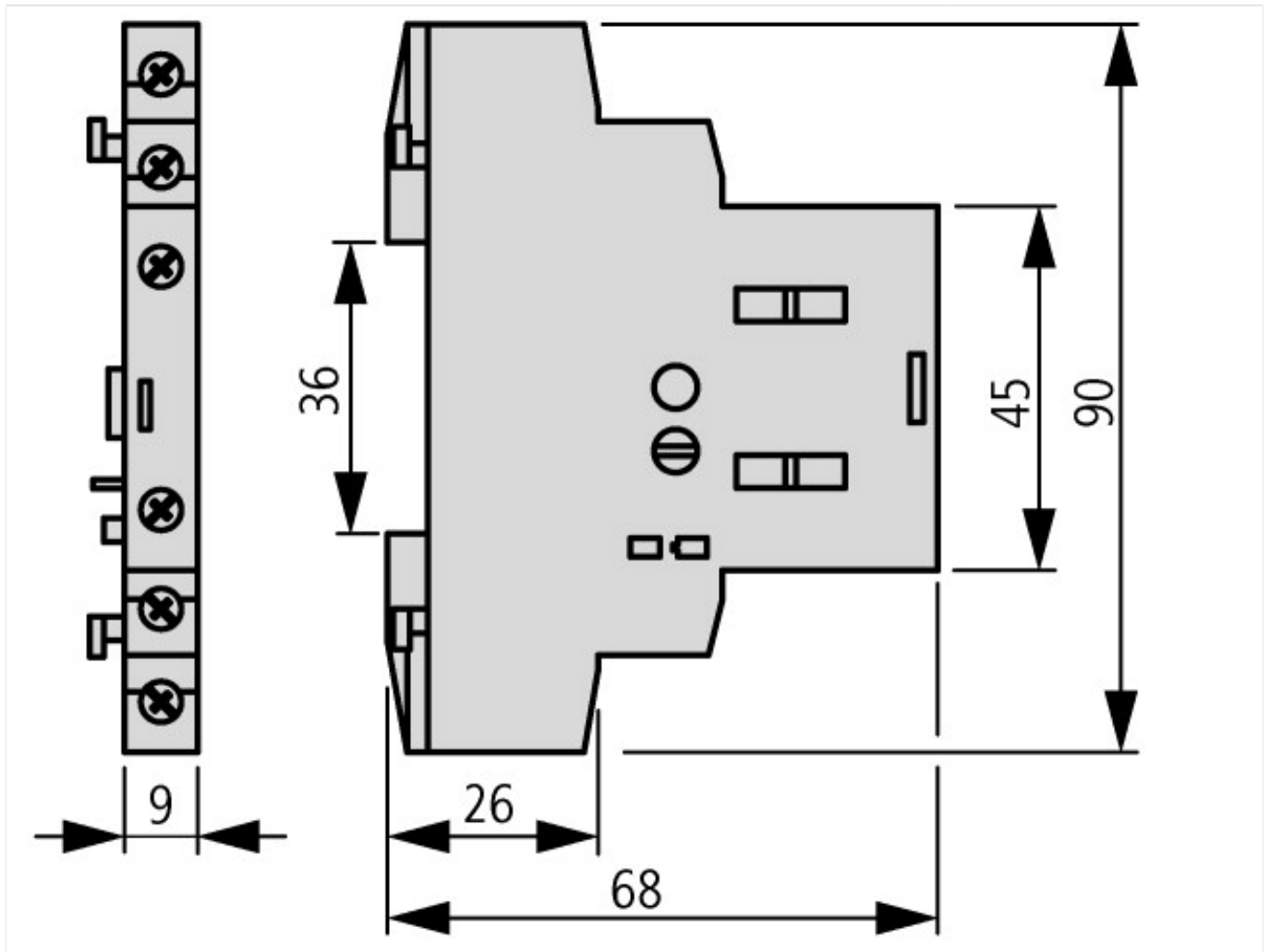
Technical data ETIM 5.0

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
(ecf@ss8-27-37-13-02 [AKN342009])

| | | | |
|--|--|---|------------------|
| Number of contacts as change-over contact | | | 0 |
| Number of contacts as normally open contact | | | 2 |
| Number of contacts as normally closed contact | | | 1 |
| Rated operation current I _e at AC-15, 230 V | | A | 3.5 |
| Type of electric connection | | | Screw connection |
| Mounting method | | | Side mounting |

Dimensions



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/IL03402034Z2010_10.pdf |
| IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker | |
| IL03407011Z (AWA1210-1925) Motor-protective circuit-breaker | ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03407011Z2010_08.pdf |
| Motor starters and "Special Purpose Ratings" for the North American market | http://www.moeller.net/binary/ver_techpapers/ver953en.pdf |
| Busbar Component Adapters for modern Industrial control panels | http://www.moeller.net/binary/ver_techpapers/ver960en.pdf |