## Accessories

FAZ-NA UL 489 Breakers

| Description | Catalog Number |
| :--- | :--- |
| Two-pole contact or auxiliary <br> contact/trip indicating contact | Z-NHK ${ }^{(1)}$ |

$\overline{\text { Auxiliary contact }}$


Lockoff Device
UL lockoff device
FAZPLOFF

FAZ-NA UL 489 Breakers, continued


## Notes

(1) Voltage of FAZ-NA circuit breaker is limited to 300 V with this auxiliary contact installed.
(2) Do not cut commoning link.
${ }^{(3)}$ A maximum of three commoning links may be used in conjunction. Each breaker connected to the commoning link must have the same number of poles for proper use.
(4) Not for use with ring-tongue circuit breakers.
(5) Bus may be center fed for high current capacity.

## UL 489 DIN Rail Miniature Circuit Breakers

## Tripping Signal Switch Z-NHK, Z-IHK-NA

- Design according to IEC/EN 60947-5-1, IEC/EN 62019
- Field installable
- The specified minimum voltages are per contact-take into account particularly in case of series connection
- Self-cleaning contacts
- Contact material and design particularly suitable for extra low voltage
- Z-NHK: the function of one of the two change-over contacts can be switched from "auxiliary switch" to "tripping signal switch"
- Tripping signal contact transmits message of electric tripping, not mechanical switch-off
- Test key for contact function "electrical tripping"
- Z-IHK-NA: will allow for > 480Y/277 Vac rating


## Connection Diagram



Busbar Connection Example


Contact and Auxiliary Contact

Z-IHK-NA


| Description | Z-NHK | Z-IHK-NA |
| :---: | :---: | :---: |
| Electrical |  |  |
| Contact function | 2 CO | 1NO + 1NC |
| Rated voltage | 230 V | 250 V |
| Frequency | 50/60 Hz | 50/60 Hz |
| Rated current | 2A | 6A |
| Rated thermal current $\mathrm{Ith}_{\text {th }}$ | 2A | 6A |
| Utilization category AC13 Rated operational current $\mathrm{I}_{\mathrm{e}}$ | 3A/250 Vac | 3A/250 Vac |
| Utilization category AC15 Rated operational current $\mathrm{I}_{\mathrm{e}}$ | 2A/250 Vac | 2A/250 Vac |
| Utilization category DC12 Rated operational current $\mathrm{I}_{\mathrm{e}}$ | 0.5A/110 Vdc | $0.5 \mathrm{~A} / 110 \mathrm{Vdc}$ <br> $0.25 \mathrm{~A} / 220 \mathrm{Vdc}$ |
| Rated insulation voltage $\mathrm{U}_{1}$ | 250 Vac | 250 Vac |
| Minimum operational voltage per contact $\mathrm{U}_{\text {min }}$ | 5 Vdc | 5 Vdc |
| Minimum operational current $I_{\text {min }}$ | 10 mA DC | $10 \mathrm{~mA} \mathrm{AC/DC}$ |
| Rated peak withstand voltage $\mathrm{U}_{\text {imp }}(1.2 / 50 \mu)$ | 2.5 kV | 4 kV |
| Conditional short-circuit current $\mathrm{I}_{\mathrm{k}}$ with backup fuse 6A | 1 kA | 1 kA |
| Max. backup fuse, overload and short circuit | 6A gL | - |
| Mechanical |  |  |
| Tripping indicator "electrical tripping" | Blue/white | - |
| Frame size | 45 mm | 45 mm |
| Device height | 80 mm | 80 mm |
| Device width | 8.8 mm (0.5MU) | 8.8 mm (0.5MU) |
| Mounting | Onto switching device | - |
| Degree of protection, built-in | IP40 | IP40 |
| Terminal protection | Finger and hand touch safe According to BGV A3, ÖVE-EN 6 | Finger and hand touch safe According to BGV A3, ÖVE-EN 6 |
| Terminals | Lift terminals | Lift terminals |
| Terminal capacity | 20-14 AWG | $0.5-2.5 \mathrm{~mm}^{2}$ |
| Terminal screws | M3 (Posidrive Z0) | M3 (Posidrive Z0) |
| Fastening torque of terminal screws | 7 lb -in | Max. 1.2 Nm |



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