

# N-contact for 3-pole INSE switches, 40-63A

Snap-on N-contact for retrofitting a 3-pole switch to a 4-pole switch, Can only be used with a 40-63A INSE switch, not for use with INSR, INSP, and INSA!



## Technical Data

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Version                                    | accessories                   |
| Rated current (A)                          | 63                            |
| Poles                                      | 1                             |
| Mounting                                   | surface mounting              |
| Standard                                   | IEC 60947, EN 60947, VDE 0666 |
| Rated insulation voltage [Ui] (V)          | 690                           |
| Rated impulse withstand voltage [Uimp] (V) | 6000                          |
| Rated short-time withstand current Icw     | 1000                          |
| Rated conditional short-circuit-current    | 10kA @ 440V / 6kA @ 690V      |
| Short-circuit protection maximum fuse      | 63                            |
| Frequency (Hz)                             | 50/60                         |

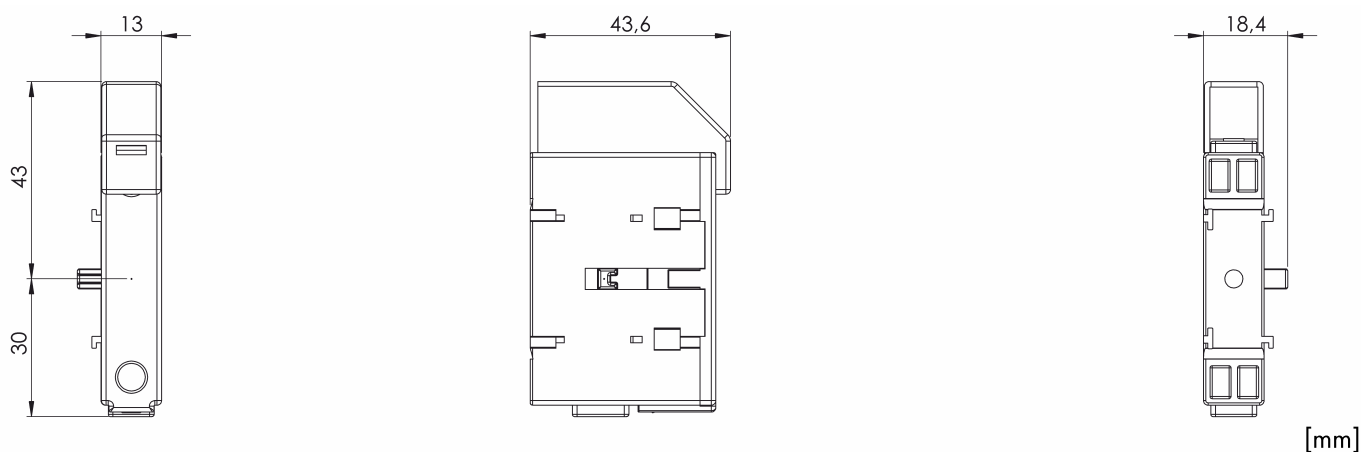
## Technical Data - continued

|                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Current                                                       | AC-22A - 690V - 63A<br>AC-3 - 690V - 17A<br>AC-3 - 230V - 38A<br>AC-23A - 400V - 41A<br>AC-23A - 690V - 21A<br>AC-21A - 690V - 63A<br>AC-3 - 400V - 36A<br>AC-23A - 230V - 38A                                                                                                                                                                                                                             |
| Switching Capacity                                                      | AC-3 - 690V - 15kW<br>AC-23A - 230V - 11kW<br>AC-23A - 400V - 22kW<br>AC-23A - 690V - 18.5kW<br>AC-3 - 230V - 11kW<br>AC-3 - 400V - 18.5kW                                                                                                                                                                                                                                                                 |
| <b>According to UL 508 / CSA</b>                                        |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Connection type                                                         | UL/CSA - AWG 14-6                                                                                                                                                                                                                                                                                                                                                                                          |
| Operating voltage AC (V)                                                | 600                                                                                                                                                                                                                                                                                                                                                                                                        |
| Thermal rated continuous current (A)                                    | 63                                                                                                                                                                                                                                                                                                                                                                                                         |
| Active Power                                                            | 3x240VAC - 15Hp<br>3x120VAC - 5Hp<br>3x480VAC - 25Hp<br>1x240VAC - 10Hp<br>3x600VAC - 30Hp<br>1x120VAC - 3Hp                                                                                                                                                                                                                                                                                               |
| <b>Connections</b>                                                      |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Conventional thermal current I <sub>th</sub> (A)                        | 63                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tightening torque (Nm)                                                  | 3                                                                                                                                                                                                                                                                                                                                                                                                          |
| Connection cross-section, multi-wire (mm <sup>2</sup> )                 | 2,5-16                                                                                                                                                                                                                                                                                                                                                                                                     |
| Connection cross section, single wire (mm <sup>2</sup> )                | 2,5-16                                                                                                                                                                                                                                                                                                                                                                                                     |
| Connection cross-section, flexible wire with ferrule (mm <sup>2</sup> ) | 2,5-16                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Retrofit contacts</b>                                                |                                                                                                                                                                                                                                                                                                                                                                                                            |
| Neutral conductor contacts                                              | Neutral conductor early-make, late-break design (closes before and opens after the phase conductors to prevent voltage displacement)<br>As soon as a 3-pole switch is converted to a 4-pole switch using a neutral conductor contact, NO additional auxiliary contact is permitted to be attached to the neutral conductor contact! For further information, see the data sheet for the respective switch. |
| Operating temperature                                                   | -25°C to +55°C                                                                                                                                                                                                                                                                                                                                                                                             |
| Mechanical durability                                                   | 100000 switching cycles                                                                                                                                                                                                                                                                                                                                                                                    |
| Power loss per pole (W)                                                 | 3,60                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protection against direct contact                                       | finger-proof and back-of-hand-proof according to VDE 0106 Part 100                                                                                                                                                                                                                                                                                                                                         |
| IP Rating                                                               | IP65 (front), IP20 (terminals)                                                                                                                                                                                                                                                                                                                                                                             |
| Lockable                                                                | No                                                                                                                                                                                                                                                                                                                                                                                                         |
| Net length (mm)                                                         | 73,00                                                                                                                                                                                                                                                                                                                                                                                                      |

## Technical Data - continued

|                               |       |
|-------------------------------|-------|
| Net width (mm)                | 18,30 |
| Net height (mm)               | 44,00 |
| Min. ambient temperature (°C) | -25   |
| Max. ambient temperature (°C) | 55    |

## Dimensioned drawing: N-contact for 3-pole INSE switches, 40-63A



| DESCRIPTION                                                                                                                                                        | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| N-contact for 3-pole INSE switches, 40-63A                                                                                                                         |           |
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