

# Emergency-Stop Main Switch 4-pole, base mounted, 32A

Installation depth (from DIN rail to front panel) for standard shaft length 307 mm For details, see dimension drawing, Version Emergency main switch, Rated current 32A, Poles 4, IP Rating IP54 (front), IP20 (connections)



## Technical Data

|                                            |                               |
|--------------------------------------------|-------------------------------|
| Version                                    | Emergency main switch         |
| Rated current (A)                          | 32                            |
| Poles                                      | 4                             |
| Mounting                                   | in-ground mounted             |
| Standard                                   | IEC 60947, EN 60947, VDE 0660 |
| Rated insulation voltage [Ui] (V)          | 690                           |
| Rated impulse withstand voltage [Uimp] (V) | 6000                          |
| Rated short-time withstand current Icw     | 500                           |
| Rated conditional short-circuit-current    | 10kA @ 440V / 6kA @ 690V      |
| Short-circuit protection maximum fuse      | 50                            |
| Frequency (Hz)                             | 50/60                         |

## Technical Data - continued

|                                                                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Current                                                       | AC-22A - 690V - 32A<br>AC-23A - 690V - 13A<br>AC-23A - 230V - 22A<br>AC-23A - 400V - 22A<br>AC-3 - 400V - 20A<br>AC-3 - 690V - 11.5A<br>AC-3 - 230V - 20A<br>AC-21A - 690V - 32A                                                                                                                                                                                   |
| Switching Capacity                                                      | AC-23A - 690V - 11.5kW<br>AC-3 - 230V - 5.5kW<br>AC-3 - 400V - 9.5kW<br>AC-23A - 230V - 6kW<br>AC-3 - 690V - 9.5kW<br>AC-23A - 400V - 11.5kW                                                                                                                                                                                                                       |
| <b>According to UL 508 / CSA</b>                                        |                                                                                                                                                                                                                                                                                                                                                                    |
| Connection type                                                         | UL/CSA - AWG 14-6                                                                                                                                                                                                                                                                                                                                                  |
| Operating voltage AC (V)                                                | 600                                                                                                                                                                                                                                                                                                                                                                |
| Thermal rated continuous current (A)                                    | 32                                                                                                                                                                                                                                                                                                                                                                 |
| Active Power                                                            | 3x600VAC - 22Hp<br>1x240VAC - 3Hp<br>3x480VAC - 20Hp<br>1x120VAC - 2Hp<br>3x240VAC - 10Hp<br>3x120VAC - 3Hp                                                                                                                                                                                                                                                        |
| <b>Connections</b>                                                      |                                                                                                                                                                                                                                                                                                                                                                    |
| Conventional thermal current I <sub>th</sub> (A)                        | 32                                                                                                                                                                                                                                                                                                                                                                 |
| 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>                                                |                                                                                                                                                                                                                                                                                                                                                                    |
| Auxiliary contacts                                                      | Maximum 2x INSHK001 -- permitted. 1x INSHK001 -- can be snapped on to the left side of the main contact and 1x INSHK001 -- to the right side of the main contact. Maximum configuration 2x NC contact / 2x NO contact. The switching behavior is the same regardless of whether the auxiliary contact is snapped on to the left or right side of the main contact. |
| Neutral conductor contacts                                              | Neutral conductor early-make, late-break design (closes before and opens after the phase conductors to prevent voltage displacement)                                                                                                                                                                                                                               |
| Operating temperature                                                   | -25°C to +55°C                                                                                                                                                                                                                                                                                                                                                     |
| Mechanical durability                                                   | 100000 switching cycles                                                                                                                                                                                                                                                                                                                                            |
| Power loss per pole (W)                                                 | 1,50                                                                                                                                                                                                                                                                                                                                                               |
| Protection against direct contact                                       | finger-proof and back-of-hand-proof according to VDE 0106 Part 100                                                                                                                                                                                                                                                                                                 |
| IP Rating                                                               | IP54 (front), IP20 (connections)                                                                                                                                                                                                                                                                                                                                   |

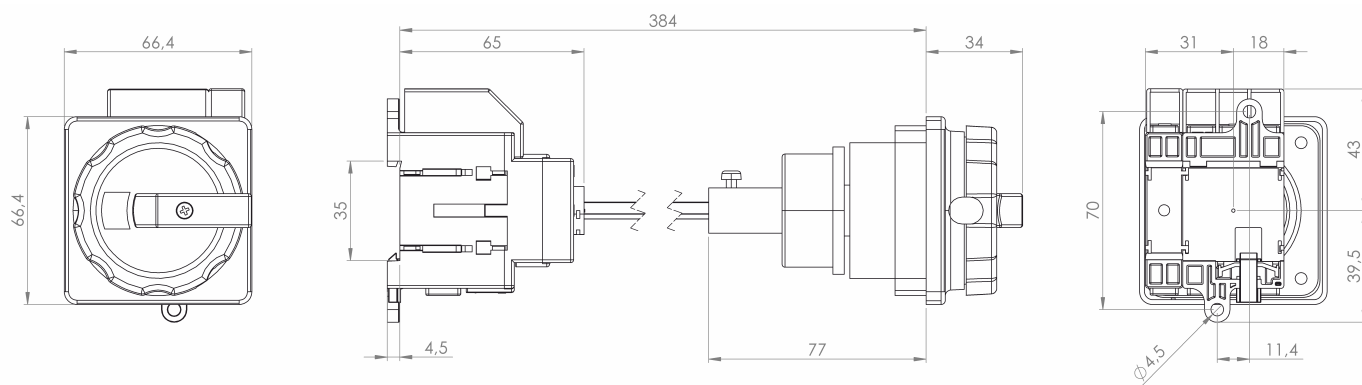
## Technical Data - continued

|                               |                                                           |
|-------------------------------|-----------------------------------------------------------|
| Lockable                      | With 3 locks, each with a shackle lock diameter of 4-8 mm |
| Net length (mm)               | 304,00                                                    |
| Net width (mm)                | 49,00                                                     |
| Net height (mm)               | 48,00                                                     |
| Min. ambient temperature (°C) | -25                                                       |
| Max. ambient temperature (°C) | 55                                                        |

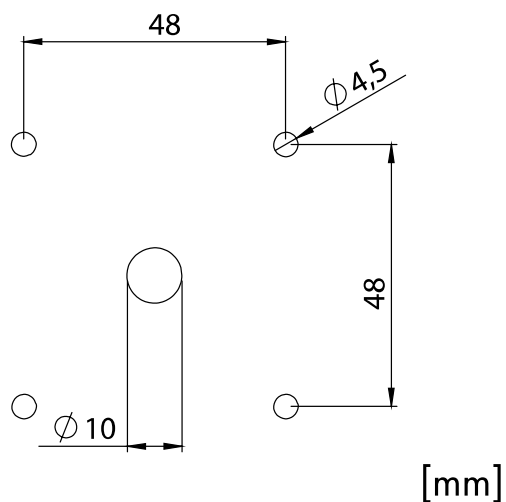
## Schaltbild INSA2432--



## Maßbild INSA2432--



## Bohrbild INSA2432--

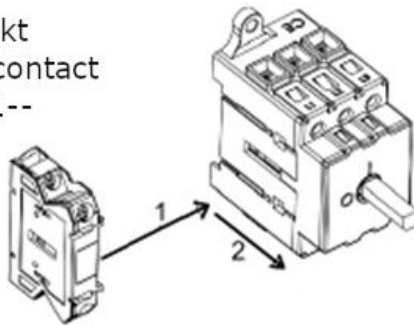


## Montageanleitung INSA Bodeneinbau Schalter



## Montageanleitung INSHK Hilfskontakte

Hilfskontakt  
Auxiliary contact  
INSHK001--



## Article Table

| DESCRIPTION                                                                                                                    | Order No. |
|--------------------------------------------------------------------------------------------------------------------------------|-----------|
| Emergency-Stop Main Switch 4-pole, base mounted, 32A                                                                           |           |
| Installation depth (from DIN rail to front panel) for standard shaft length 307 mm For details, see dimension drawing, Version | INSA2432  |
| Emergency main switch, Rated current 32A, Poles 4, IP Rating IP54 (front), IP20 (connections)                                  |           |
| <b>Optional Accessories</b>                                                                                                    |           |
| Auxiliary Contact 1NO/1NC for INSR, INSP and INSA                                                                              |           |
| Nicht für INSE zu verwenden, Version accessories, IP Rating IP20 (terminals)                                                   | INSHK001  |