

Tehnički list za artikl: INSR3420--

## Grebenasta sklopka, 1-0-2/4P/20A, montaža na DIN nosač

Izvedba/tip 1-0-2, Nazivna struja 20A, Polovi 4, IP stupanj zaštite IP40 (front), IP00 (terminals), Neutral conductor contacts Neutral conductor early-make, late-break design (closes before and opens after the phase conductors to prevent voltage displacement)



### Tehnički podaci

|                                               |                               |
|-----------------------------------------------|-------------------------------|
| Izvedba/tip                                   | 1-0-2                         |
| Nazivna struja (A)                            | 20                            |
| Polovi                                        | 4                             |
| Način montaže                                 | DIN nosač                     |
| Norma                                         | IEC 60947, EN 60947, VDE 0660 |
| Nazivni napon izolacije [Ui] (V)              | 690                           |
| Nazivni udarni podnosivi napon [Uimp] (V)     | 6000                          |
| Nazivna kratkotrajno podnosiva struja Icw     | 500                           |
| Nazivna struja kratkog spoja                  | 10kA @ 440V / 6kA @ 690V      |
| Kratkospojna zaštita, maks. rastalni osigurač | 50                            |
| Frekvencija (Hz)                              | 50/60                         |

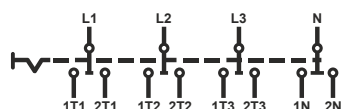
## Tehnički podaci - nastavak

|                                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Current                                                        | AC-3 - 690V - 7A<br>AC-22A - 690V - 20A<br>AC-23A - 230V - 11A<br>AC-3 - 400V - 7A<br>AC-23A - 690V - 9A<br>AC-21A - 690V - 20A<br>AC-23A - 400V - 16A<br>AC-3 - 230V - 11A                                                                                                                                                                                                                                                                                                                                                                                          |
| Switching Capacity                                                       | AC-23A - 230V - 3kW<br>AC-3 - 230V - 3kW<br>AC-23A - 690V - 7.5kW<br>AC-3 - 400V - 5.5kW<br>AC-23A - 400V - 7.5kW<br>AC-3 - 690V - 5.5kW                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>According to UL 508 / CSA</b>                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tip priključka                                                           | UL/CSA - AWG 14-6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Radni napon AC (V)                                                       | 600                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Thermal rated continuous current (A)                                     | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Active Power                                                             | 3x240VAC - 3Hp<br>3x480VAC - 7.5Hp<br>3x600VAC - 10Hp<br>1x120VAC - 0.5Hp<br>1x240VAC - 1.5Hp<br>3x120VAC - 1Hp                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Priključak</b>                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Konvencionalna termička struja I <sub>th</sub> (A)                       | 20                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Moment pritezanja (Nm)                                                   | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Presjek priključnih vodiča, višezilni kabel (mm <sup>2</sup> )           | 2,5-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Presjek priključnih vodiča, Jednožični (mm <sup>2</sup> )                | 2,5-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Presjek priključnih vodiča, finožični kabel s tuljkom (mm <sup>2</sup> ) | 2,5-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Retrofit contacts</b>                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Pomoćni kontakti                                                         | Maximum 2x INSHK001-- permitted. 1x can be snapped onto the left side of the main contact and 1x onto the right side of the main contact. Maximum configuration 2x NC contacts / 2x NO contacts (1x NC contact / 1x NO contact per switching position). ATTENTION! Switching behavior is not the same! In switching position "1", only the auxiliary contacts that have been snapped onto the corresponding main contact will switch. In switching position "2", only the auxiliary contacts that have been snapped onto the corresponding main contact will switch. |
| Neutral conductor contacts                                               | Neutral conductor early-make, late-break design (closes before and opens after the phase conductors to prevent voltage displacement)                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Radna temperatura                                                        | -25°C to +55°C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Mehanički životni vijek                                                  | 100000 switching cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

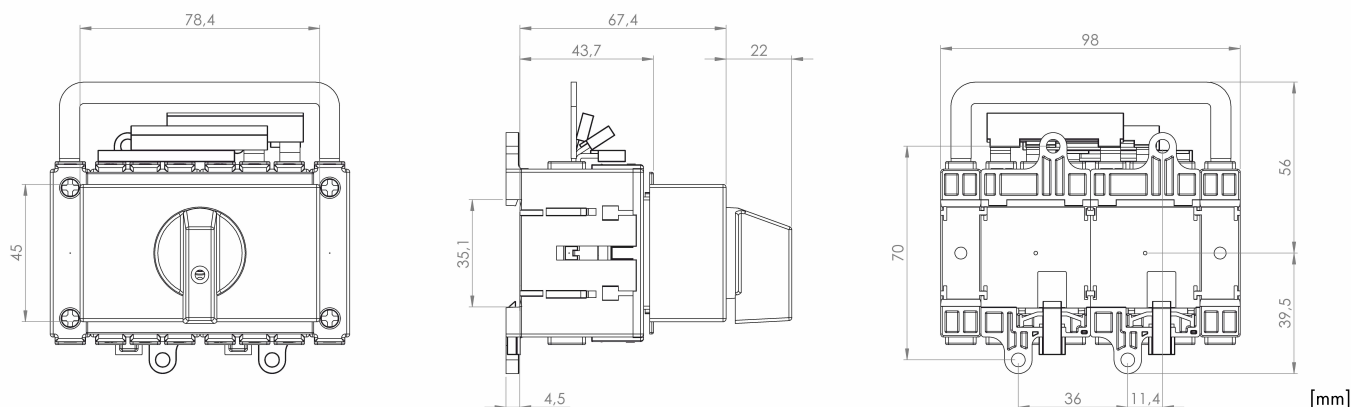
## Tehnički podaci - nastavak

|                                |                                                                    |
|--------------------------------|--------------------------------------------------------------------|
| Gubitak snage po polu (W)      | 0,40                                                               |
| Zaštita od dodira              | finger-proof and back-of-hand-proof according to VDE 0106 Part 100 |
| IP stupanj zaštite             | IP40 (front), IP00 (terminals)                                     |
| Lockable                       | No                                                                 |
| Neto duljina (mm)              | 89,40                                                              |
| Neto širina (mm)               | 78,40                                                              |
| Neto visina (mm)               | 45,00                                                              |
| Min. temperatura okoline (°C)  | -25                                                                |
| Maks. temperatura okoline (°C) | 55                                                                 |

## Schaltbild INSR3420--

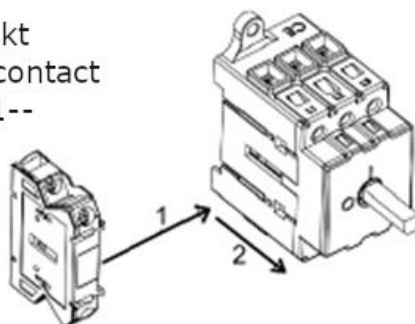


## Maßbild INSR3420--

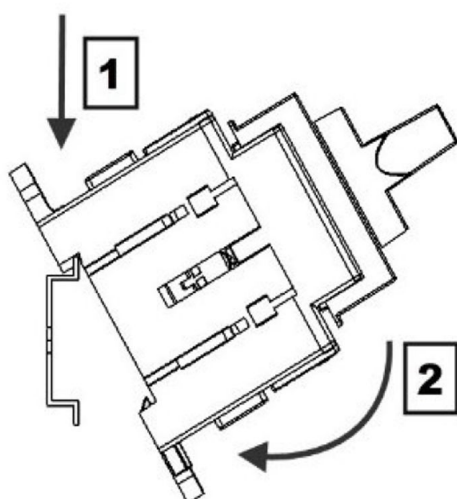


## Montageanleitung INSHK Hilfskontakte

Hilfskontakt  
Auxiliary contact  
INSHK001--



## Montageanleitung INSR Hutschienenmontage Schalter



## Tablica artikla

| OPIS                                                                                                                                                                                                                                                                                                                             | KAT. BROJ |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| Grebenasta sklopka, 1-0-2/4P/20A, montaža na DIN nosač<br>Izvedba/tip 1-0-2, Nazivna struja 20A, Polovi 4, IP stupanj zaštite IP40 (front), IP00 (terminals), Neutral conductor contacts<br>Neutral conductor early-make, late-break design (closes before and opens after the phase conductors to prevent voltage displacement) | INSR3420  |
| <b>Dodatni pribor</b>                                                                                                                                                                                                                                                                                                            |           |
| Pomoćni kontakt 1 N/O+1 N/C za INSR, INSP i INSA grebenaste<br>za INSR, INSP i INSA Grebenaste sklopke                                                                                                                                                                                                                           | INSHK001  |