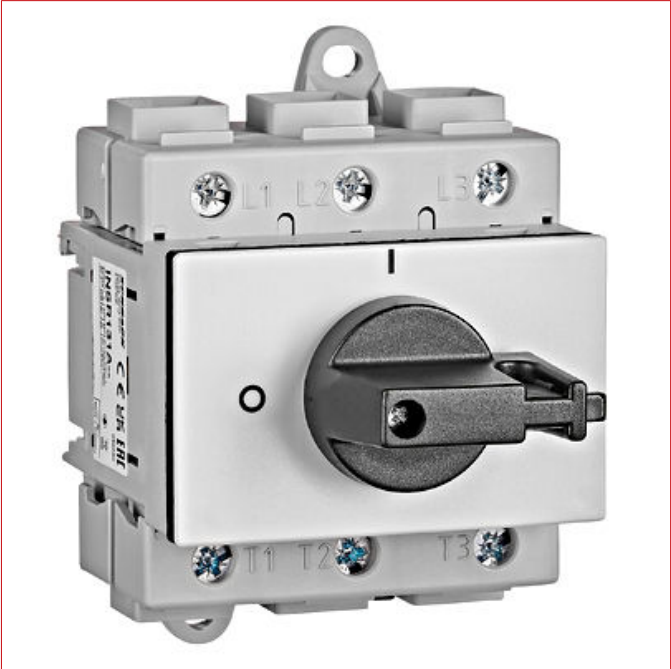


Main Switch 3-pole, modular, 100A

Version main switch, Rated current 100A, Poles 3, IP Rating IP40 (front), IP10 (terminals)



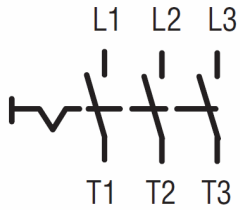
Technical Data

Version	main switch
Rated current (A)	100
Poles	3
Mounting	DIN-rail
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	1000
Rated conditional short-circuit-current	10kA @ 440V / 6kA @ 690V
Short-circuit protection maximum fuse	125
Frequency (Hz)	50/60
Operating Current	AC-23A - 400V - 70A AC-23A - 690V - 34A AC-3 - 400V - 53A AC-3 - 690V - 25.5A AC-21A - 690V - 100A

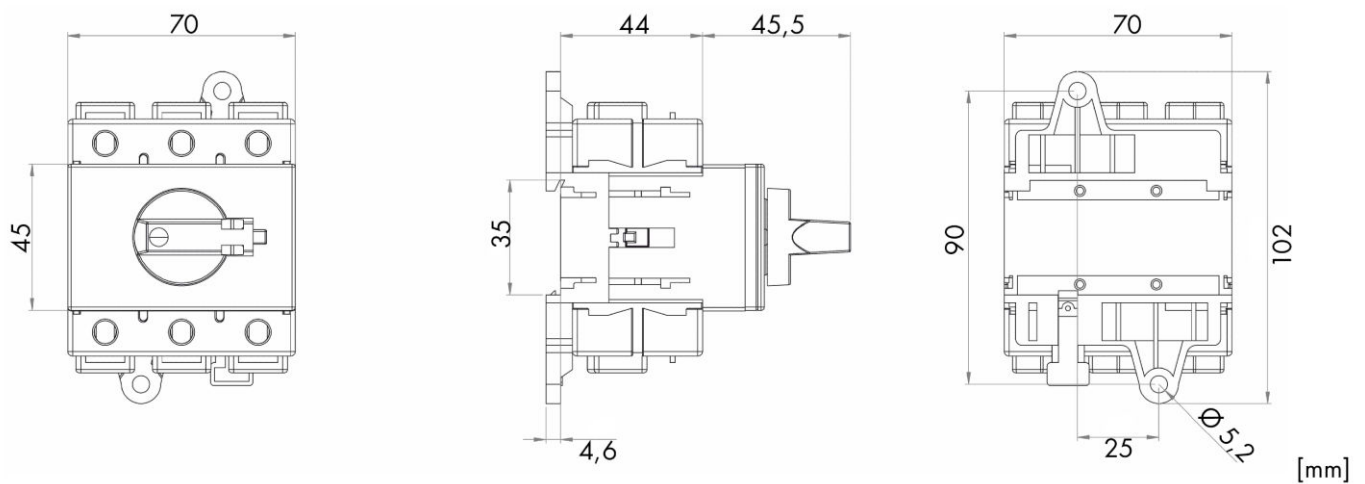
Technical Data - continued

Switching Capacity	AC-3 - 400V - 30kW AC-3 - 690V - 22kW AC-23A - 400V - 37kW AC-23A - 690V - 30kW
According to UL 508 / CSA	
Connection type	UL/CSA - AWG 12-1
Operating voltage AC (V)	600
Thermal rated continuous current (A)	100
Active Power	3x480VAC - 60Hp 3x240VAC - 30Hp 3x600VAC - 75Hp
Connections	
Conventional thermal current I _{th} (A)	100
Tightening torque (Nm)	3
Connection cross-section, multi-wire (mm ²)	4-50
Connection cross section, single wire (mm ²)	4-50
Connection cross-section, flexible wire with ferrule (mm ²)	4-35
Retrofit contacts	
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	ATTENTION! If this 3-pole switch is converted to a 4-pole switch using neutral conductor contact INSNK013--, no additional auxiliary contact can be snapped onto the N contact. On the other side, auxiliary contact INSHK001-- can be used as normal. For further details, see Auxiliary contact and N contact overview.
Operating temperature	-25°C to +55°C
Mechanical durability	100000 switching cycles
Power loss per pole (W)	7,50
Protection against direct contact	finger-proof and back-of-hand-proof according to VDE 0106 Part 100
IP Rating	IP40 (front), IP10 (terminals)
Lockable	With 2 locks, each with a shackle lock diameter of 4-6 mm
Net length (mm)	89,50
Net width (mm)	70,00
Net height (mm)	45,00
Min. ambient temperature (°C)	-25
Max. ambient temperature (°C)	55

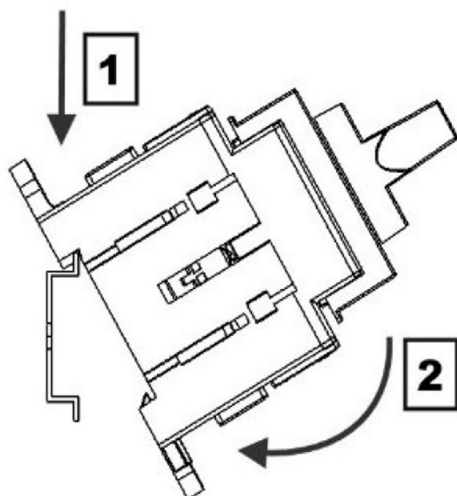
Schaltbild INSR131A--



Maßbild INSR131A--



Montageanleitung INSR Hutschienenmontage Schalter



Montageanleitung INSHK Hilfskontakte bei Verwendung von INSNK Neutraleiterkontakte



Article Table

DESCRIPTION	Order No.
Main Switch 3-pole, modular, 100A	INSR131A
Version main switch, Rated current 100A, Poles 3, IP Rating IP40 (front), IP10 (terminals)	
Optional Accessories	
Auxiliary Contact 1NO/1NC for INSR, INSP and INSA	INSHK001
Nicht für INSE zu verwenden, Version accessories, IP Rating IP20 (terminals)	
N-contact for 3-pole INSR, INSP, and INSA switches, 100-125A	INSNK013
Snap-on N-contact for retrofitting a 3-pole switch to a 4-pole switch, Can only be used with a 100-125A INSR, INSP, or INSA switch, not for use with INSE!	