

Data Sheet for Article: INSR4425--

Changeover Switch Netz-0-Notstrom, modular, 4-pole 25A

Version changeover switch, Rated current 25A, Poles 4, IP Rating 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)



Technical Data

Version	changeover switch
Rated current (A)	25
Poles	4
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	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-23A - 400V - 19A AC-3 - 690V - 9.5A AC-23A - 230V - 11A AC-3 - 230V - 15A AC-3 - 400V - 16A AC-22A - 690V - 25A AC-23A - 690V - 11A AC-21A - 690V - 25A
Switching Capacity	AC-3 - 230V - 4kW AC-3 - 400V - 7.5kW AC-23A - 230V - 4kW AC-23A - 400V - 9kW AC-23A - 690V - 9kW AC-3 - 690V - 7.5kW
According to UL 508 / CSA	
Connection type	UL/CSA - AWG 14-6
Operating voltage AC (V)	600
Thermal rated continuous current (A)	25
Active Power	1x240VAC - 3Hp 3x480VAC - 10Hp 1x120VAC - 2Hp 3x120VAC - 3Hp 3x240VAC - 7.5Hp 3x600VAC - 15Hp
Connections	
Conventional thermal current I _{th} (A)	25
Tightening torque (Nm)	3
Connection cross-section, multi-wire (mm ²)	2,5-16
Connection cross section, single wire (mm ²)	2,5-16
Connection cross-section, flexible wire with ferrule (mm ²)	2,5-16
Retrofit contacts	
Auxiliary contacts	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 NO / 2x NC (1x NO / 1x NC per switching position). ATTENTION! Switching behavior is not the same! In the "NETZ" switching position, only the auxiliary contacts that have been snapped onto the corresponding main contact will switch. In the "NOTSTROM" switching position, 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)
Operating temperature	-25°C to +55°C
Mechanical durability	100000 switching cycles
Power loss per pole (W)	0,90

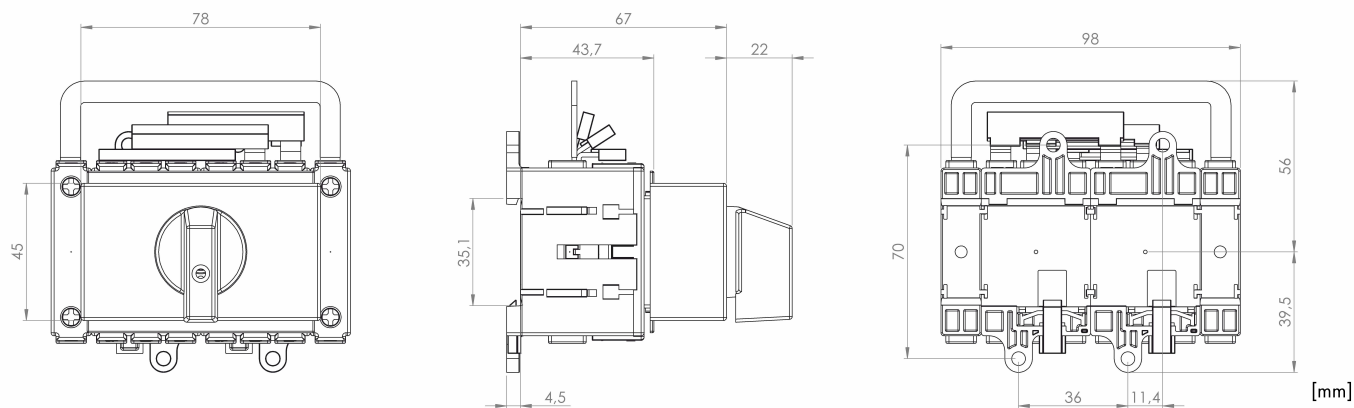
Technical Data - continued

Protection against direct contact	finger-proof and back-of-hand-proof according to VDE 0106 Part 100
IP Rating	IP40 (front), IP00 (terminals)
Lockable	No
Net length (mm)	89,40
Net width (mm)	78,40
Net height (mm)	45,00
Min. ambient temperature (°C)	-25
Max. ambient temperature (°C)	55

Schaltbild INSR4425--



Maßbild INSR4425--

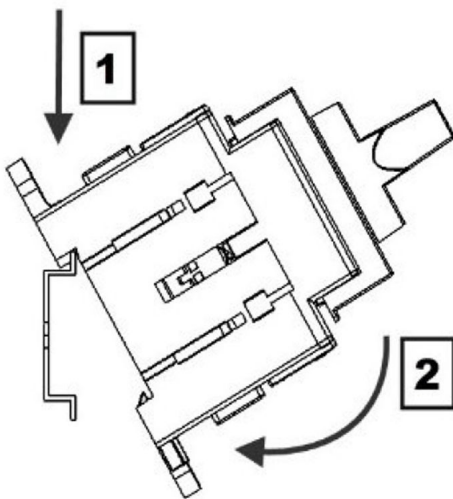


Montageanleitung INSHK Hilfskontakte

Hilfskontakt
Auxiliary contact
INSHK001--



Montageanleitung INSR Hutschienenmontage Schalter



Article Table

DESCRIPTION	Order No.
Changeover Switch Netz-0-Notstrom, modular, 4-pole 25A Version changeover switch, Rated current 25A, Poles 4, IP Rating 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)	INSR4425
Optional Accessories	
Auxiliary Contact 1NO/1NC for INSR, INSP and INSA Nicht für INSE zu verwenden, Version accessories, IP Rating IP20 (terminals)	INSHK001