

Data Sheet for Article: INSE1320--

Main Switch 3-pole, 4 hole, front mounted, 20A

Version main switch, Rated current 20A, Poles 3, IP Rating IP65 (front), IP20 (terminals)



Technical Data

Version	main switch
Rated current (A)	20
Poles	3
Mounting	front mount
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-3 - 690V - 7A AC-22A - 690V - 20A AC-23A - 230V - 11A AC-3 - 400V - 7A AC-23A - 690V - 9A AC-21A - 690V - 20A AC-23A - 400V - 16A AC-3 - 230V - 11A
Switching Capacity	AC-23A - 230V - 3kW AC-3 - 230V - 3kW AC-23A - 690V - 7.5kW AC-3 - 400V - 5.5kW AC-23A - 400V - 7.5kW AC-3 - 690V - 5.5kW
According to UL 508 / CSA	
Connection type	UL/CSA - AWG 14-6
Operating voltage AC (V)	600
Thermal rated continuous current (A)	20
Active Power	3x240VAC - 3Hp 3x480VAC - 7.5Hp 3x600VAC - 10Hp 1x120VAC - 0.5Hp 1x240VAC - 1.5Hp 3x120VAC - 1Hp
Connections	
Conventional thermal current I _{th} (A)	20
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 INSHK002-- permitted. 1x INSHK002-- can be snapped on to the left of the main contact and 1x INSHK002-- to the right of the main contact. Maximum configuration 2x NO contact / 2x NC contact. Switching behavior is the same regardless of whether the auxiliary contact is snapped on to the left or right of the main contact.
Neutral conductor contacts	ATTENTION! If this 3-pole switch is converted to a 4-pole switch using neutral conductor contact INSNK020--, no additional auxiliary contact can be snapped onto the N contact. On the other side, auxiliary contact INSHK002-- 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)	0,40

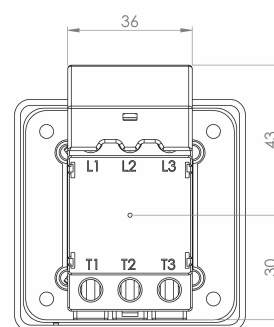
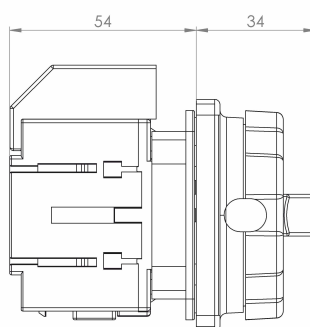
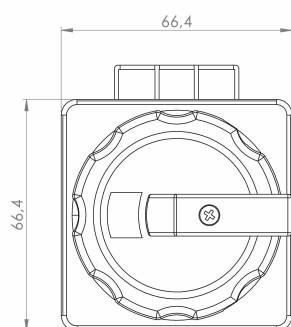
Technical Data - continued

Protection against direct contact	finger-proof and back-of-hand-proof according to VDE 0106 Part 100
IP Rating	IP65 (front), IP20 (terminals)
Lockable	With 3 locks, each with a shackle lock diameter of 4-8 mm
Net length (mm)	88,00
Net width (mm)	66,40
Net height (mm)	66,40
Min. ambient temperature (°C)	-25
Max. ambient temperature (°C)	55

Schaltbild INSE1320--

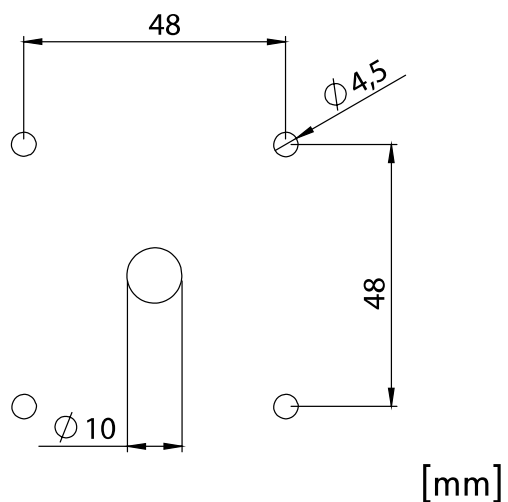


Maßbild INSE1320--



[mm]

Bohrbild INSE1320--



Montageanleitung INSHK Hilfskontakte bei Verwendung von INSNK Neutralleiterkontakte



Article Table

DESCRIPTION	Order No.
Main Switch 3-pole, 4 hole, front mounted, 20A	INSE1320
Version main switch, Rated current 20A, Poles 3, IP Rating IP65 (front), IP20 (terminals)	
Optional Accessories	
Auxiliary Contact 1NO/1NC for INSE	INSHK002
Nicht für INSR, INSP und INSA zu verwenden, Version accessories, IP Rating IP20 (terminals)	
N-contact for 3-pole INSE switches, 20-32A	INSHK002
Snap-on N-contact for retrofitting a 3-pole switch to a 4-pole switch. Can only be used with a 20-32A INSE switch. Not for use with INSNK020 INSR, INSP, and INSA!	