

Main Switch 3-pole, 4 hole, front mounted, 80A

Version main switch, Rated current 80A, Poles 3, IP Rating IP65 (front), IP10 (output terminals), IP20 (supply terminals with terminal cover and Cable cross-section bigger than 6mm²)



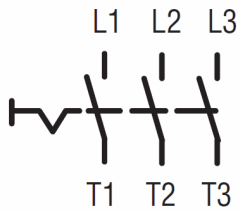
Technical Data

Version	main switch
Rated current (A)	80
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	1000
Rated conditional short-circuit-current	10kA @ 440V / 6kA @ 690V
Short-circuit protection maximum fuse	80
Frequency (Hz)	50/60
Operating Current	AC-21A - 690V - 80A AC-23A - 690V - 22A AC-23A - 400V - 43A AC-3 - 400V - 43A AC-3 - 690V - 22A

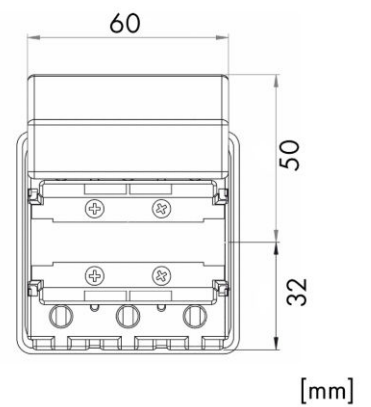
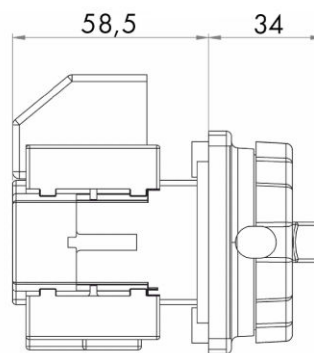
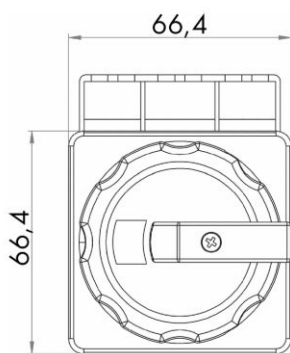
Technical Data - continued

Switching Capacity	AC-23A - 400V - 30kW AC-23A - 690V - 22kW AC-3 - 690V - 18.5kW AC-3 - 400V - 22kW
According to UL 508 / CSA	
Connection type	UL/CSA - AWG 14-6
Operating voltage AC (V)	600
Thermal rated continuous current (A)	80
Active Power	3x240VAC - 15Hp 3x600VAC - 50Hp 3x480VAC - 40Hp 1x120VAC - 10Hp
Connections	
Conventional thermal current I _{th} (A)	80
Tightening torque (Nm)	2,50
Connection cross-section, multi-wire (mm ²)	2,5-35
Connection cross section, single wire (mm ²)	2,5-35
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 INSNK022--, 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)	5,50
Protection against direct contact	finger-proof and back-of-hand-proof according to VDE 0106 Part 100
IP Rating	IP65 (front), IP10 (output terminals), IP20 (supply terminals with terminal cover and Cable cross-section bigger than 6mm ²)
Lockable	With 3 locks, each with a shackle lock diameter of 4-8 mm
Net length (mm)	92,50
Net width (mm)	66,40
Net height (mm)	66,40
Min. ambient temperature (°C)	-25
Max. ambient temperature (°C)	55

Schaltbild INSE1380--

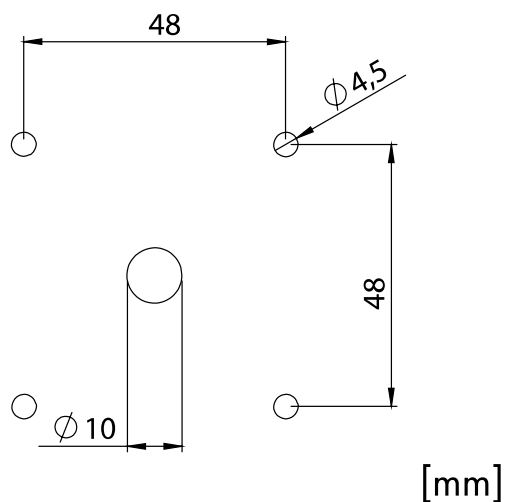


Maßbild INSE1380--

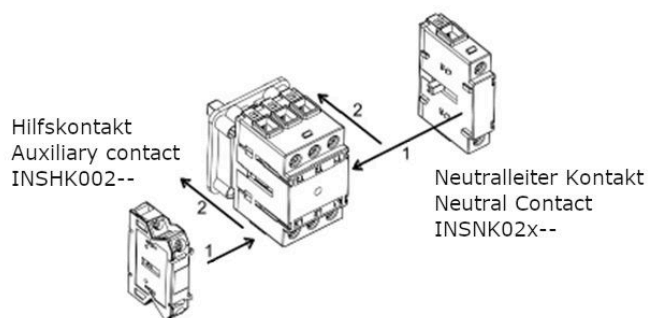


[mm]

Bohrbild INSE1380--



Montageanleitung INSHK Hilfskontakte bei Verwendung von INSNK Neutralleiterkontakte



Article Table

DESCRIPTION	Order No.
Main Switch 3-pole, 4 hole, front mounted, 80A Version main switch, Rated current 80A, Poles 3, IP Rating IP65 (front), IP10 (output terminals), IP20 (supply terminals with terminal cover and Cable cross-section bigger than 6mm²)	INSE1380
Optional Accessories	
Auxiliary Contact 1NO/1NC for INSE Nicht für INSR, INSP und INSA zu verwenden, Version accessories, IP Rating IP20 (terminals)	INSHK002
N-contact for 3-pole INSE switches, 80A Snap-on N-contact for retrofitting a 3-pole switch to a 4-pole switch. Can only be used with an 80A INSE switch. Not for use with INSR, INSP, and INSA!	INSNK022