

Repair Switch 4-pole, 100A, IP65, lockable

Version Repairswitch, Rated current 100A, Poles 4, IP Rating IP65 (housing), IP10 (terminals), Neutral conductor contacts Neutral conductor early-make, late-break design (closes before and opens after the phase conductors to prevent voltage displacement)



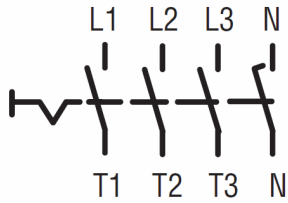
Technical Data

Version	Repairswitch
Rated current (A)	100
Poles	4
Mounting	surface mounting
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

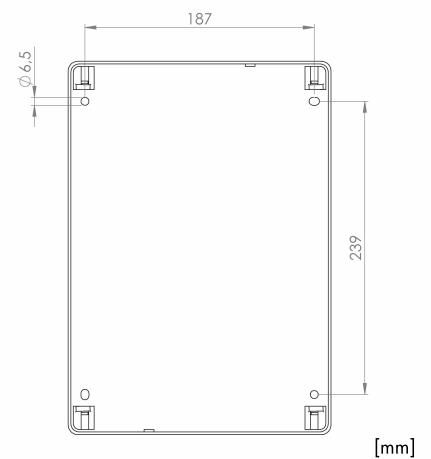
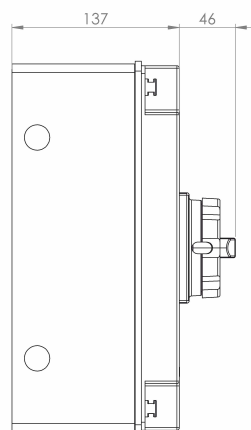
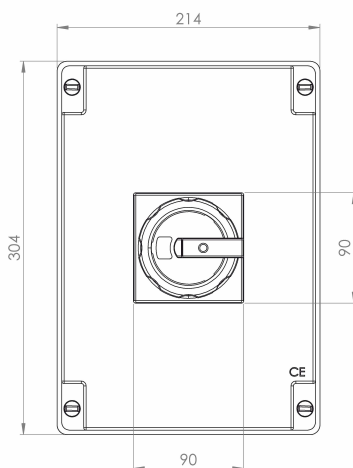
Technical Data - continued

Switching Capacity	AC-3 - 400V - 30kW AC-23A - 230V - 18.5kW AC-3 - 690V - 22kW AC-3 - 230V - 18.5kW 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 1x INSHK001 -- permitted. Attention! INSHK001 -- must be snapped onto the phase contact and is not allowed to be snapped onto the neutral conductor contact! Maximum configuration 1x NC contact / 1x NO contact.
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)	7,50
Protection against direct contact	finger-proof and back-of-hand-proof according to VDE 0106 Part 100
IP Rating	IP65 (housing), IP10 (terminals)
Lockable	With 3 locks, each with a shackle lock diameter of 4-8 mm
Net length (mm)	181,00
Net width (mm)	210,00
Net height (mm)	300,00
Min. ambient temperature (°C)	-25
Max. ambient temperature (°C)	55

Schaltbild INSP141A--



Maßbild INSP141A--



Montageanleitung INSHK Hilfskontakte

Hilfskontakt
Auxiliary contact
INSHK001--



Article Table

DESCRIPTION	Order No.
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Optional Accessories	
Auxiliary Contact 1NO/1NC for INSR, INSP and INSA	
Nicht für INSE zu verwenden, Version accessories, IP Rating IP20 (terminals)	INSHK001