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SWITCH DISCONNECTOR 100A

Rated Thermal Current Ith 100A

0172500
Switch Disconnector 3 Pole 100A



- 3 pole switch body
- Front & rear mount
- Neutral & additional poles
- Handle & clutch drive options

PRODUCT DESCRIPTION

Switch disconnector range with patented design reversible terminals to allow front or rear mount.
Can be used to safely switch and isolate up to 690V thanks to a wider contact air gap of 7mm.

All switch body options have 3 poles with reversible terminals.
Up to 4 neutral poles / additional poles can be snapped on to a switch body (2 each side).
Up to 2 N/C+N/O auxillary blocks / early break auxillary blocks can be snapped on to a switch body (1 each side).
The maximum per switch body is 2 each side and the auxillary contacts must be on the outside.

For rear mount the switch body simply snaps onto DIN rail. Note the reversible terminals need to be pushed up before clipping onto the DIN rail and then pushed back down to lock into place and reveal the terminal screw heads.
There are 3 clutch drive kits to accomodate different panel depths and the door interlock shroud ensures the panel door can only be opened in the OFF position.

For front mount various handle options are available that are fixed by screw.
All screw terminals are finger proof to IPxxB but additional terminal covers can be added if required.
Gasket kits are available to increase front of panel protection from IP40 to IP65.

TECHNICAL DATA

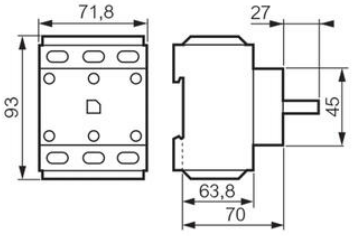
Number of poles	3
Type	Switch block

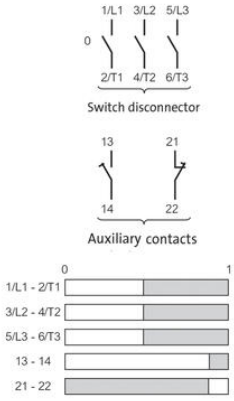
Conventional free air thermal current Ith	100 A
Conventional enclosed thermal current Ithe	80 A
Rated operating current Ie (AC15/230V)	6 A
Rated operating current Ie (AC15/400V)	4 A
Rated operating current Ie (AC21A/22A)	100 A

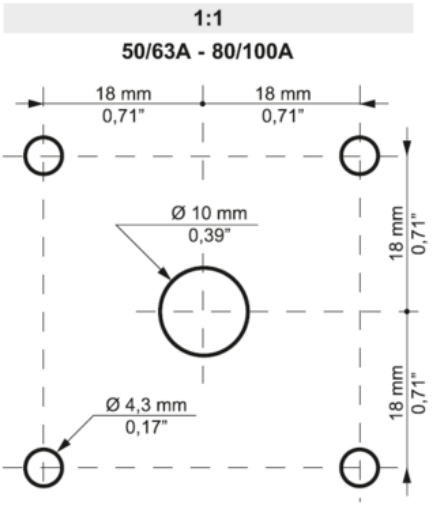
Rated operating power (AC23A/3x230V)	22 kW
Rated operating power (AC23A/3x400V)	37 kW
Rated operating power (AC23A/3x500V)	45 kW
Rated operating power (AC23A/3x690V)	30 kW
Rated operating power (AC3/3x230V)	18.5 kW
Rated operating power (AC3/3x400V)	30 kW
Rated operating power (AC3/3x500V)	37 kW
Rated operating power (AC3/3x690V)	22 kW

Rated insulation voltage Ui	690 V

Protection rating front of panel	IP40
Protection rating rear of panel	IPxxB
Connection stranded wire with ferrule min	2.5 mm²
Connection stranded wire with ferrule max	35 mm²
Connection solid wire max	50 mm²
Temperature operational min	-30 °C
Temperature operational max	70 °C
Storage temperature min	-30 °C
Storage temperature max	70 °C
Mechanical life AC20 (million)	0.04
Standards	CSA 22.2, IEC 60947-3 , UL 508
Approvals	CB, cUL, UL
Rated uninterrupted current Iu	100 A
Rated short term withstand current Icw (Aeff/400V/1 s)	1500 A
Rated short circuit make capacity Icm (kA peak/400V)	2.8 kA
Rated break capacity (Aeff/400V)	800 A
Rated make capacity (Aeff/400V)	1970 A
Breaking capacity current	100 A
Short circuit current (kAeff/400 V)	10 kA
Short circuit current with fuse gl/gG (A)	100 A
Rated impulse withstand voltage Uimp (Overvoltage cat III - Pollution 3)	6 kV


71,8
27
93
45
63,8
70


1/L1 3/L2 5/L3
0
2/T1 4/T2 6/T3
Switch disconnector
13 21
14 22
Auxiliary contacts
0 1
1/L1 - 2/T1
3/L2 - 4/T2
5/L3 - 6/T3
13 - 14
21 - 22


1:1
50/63A - 80/100A
18 mm
0,71"
18 mm
0,71"
Ø 10 mm
0,39"
18 mm
0,71"
18 mm
0,71"
Ø 4,3 mm
0,17"