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# SWITCH DISCONNECTOR 80A

Rated Thermal Current Ith 80A

0174401
Switch Disconnector 3 Pole 80A + Handle Grey



- 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.

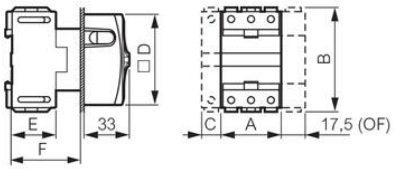
For rear mount the switch body simply snaps onto DIN rail. Note the reversible terminals need to be pushed up before clipping onto the DIN rail and then pushed back down to lock into place and reveal the terminal screw heads.
There are 3 clutch drive kits to accomodate different panel depths and the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

| | |
|---|---|
| **Approvals** | CB, cUL, UL |
| **Breaking capacity current** | 80 A |
| **Colour** | Grey |
| **Connection solid wire max** | 50 mm² |
| **Connection stranded wire with ferrule max** | 35 mm² |
| **Connection stranded wire with ferrule min** | 2.5 mm² |
| **Conventional enclosed thermal current Ithe** | 63 A |
| **Conventional free air thermal current Ith** | 80 A |

| | |
|---|---|
| **Mechanical life AC20 (million)** | 0.04 |
| **Mounting** | Screw on, TS 35 |
| **Number of poles** | 3 |
| **Protection rating front of panel** | IP40 |
| **Protection rating rear of panel** | IPxxB |
| **Rated break capacity (Aeff/400V)** | 800 A |
| **Rated impulse withstand voltage Uimp (Overvoltage cat III - Pollution 3)** | 6 kV |
| **Rated insulation voltage Ui** | 690 V |
| **Rated make capacity (Aeff/400V)** | 1970 A |
| **Rated operating current Ie (AC15/230V)** | 6 A |
| **Rated operating current Ie (AC15/400V)** | 4 A |
| **Rated operating current Ie (AC21A/22A)** | 80 A |
| **Rated operating power (AC23A/3x230V)** | 18.5 kW |
| **Rated operating power (AC23A/3x400V)** | 30 kW |
| **Rated operating power (AC23A/3x500V)** | 37 kW |
| **Rated operating power (AC23A/3x690V)** | 22 kW |
| **Rated operating power (AC3/3x230V)** | 15 kW |
| **Rated operating power (AC3/3x400V)** | 22 kW |
| **Rated operating power (AC3/3x500V)** | 30 kW |
| **Rated operating power (AC3/3x690V)** | 18.5 kW |
| **Rated short circuit make capacity Icm (kA peak/400V)** | 2.8 kA |
| **Rated short term withstand current Icw (Aeff/400V/1 s)** | 1100 A |
| **Rated uninterrupted current Iu** | 80 A |
| **Short circuit current (kAeff/400 V)** | 10 kA |
| **Short circuit current with fuse gl/gG (A)** | 80 A |
| **Standards** | CSA 22.2, IEC 60947-3 , UL 508 |
| **Storage temperature max** | 70 °C |
| **Storage temperature min** | -30 °C |
| **Temperature operational max** | 70 °C |
| **Temperature operational min** | -30 °C |
| **Type** | Switch and handle |




**Dimensions**

A: 71.8
B: 93
C: 26.8
D: □86
E: 63.8
F: 70

