SWITCH DISCONNECTOR 100A

Rated Thermal Current Ith 100A

0174501 Switch Disconnector 3 Pole 100A + Handle Grey

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



BACO

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 accommodate 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.

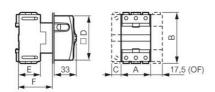
All screw terminals are finger proof to IPxxB but additional terminal covers can be added if required.

Gasket kits are available to increase front of panel protection from IP40 to IP65.

TECHNICAL DATA

Approvals	CB, cUL, UL
Breaking capacity current	100 A
Colour	Grey
Connection solid wire max	50 mm²
Connection stranded wire with ferrule max	35 mm ²
Connection stranded wire with ferrule min	2.5 mm²
Conventional enclosed thermal current Ithe	80 A

Mechanical life AC20 (million) 0.04 Number of poles 3 Protection rating front of panel IP40 Protection rating rear of panel IP50B Rated break capacity (Aeffi400V) 800 A Rated break capacity (Aeffi400V) 65 V Rated insulation voltage Ulimp (Overvoltage Cut III - Pollution 3) 600 V Rated ansac capacity (Aeffi400V) 1970 A Rated operating current le (AC154080V) 4 A Rated operating current le (AC214022A) 100 A Rated operating power (AC23A/3230V) 2 kW Rated operating power (AC23A/3240V) 37 kW Rated operating power (AC23A/3560V) 45 kW Rated operating power (AC3/33x560V) 10 kW Rated operating power (AC3/3x560V) 37 kW Rated operating power (AC3/3x560V) 37 kW Rated operating power (AC3/3x560V) 37 kW Rated short circuit make capacity lcm (kA 25 kW Rated short circuit make capacity lcm (kA 25 k k Rated short circuit make capacity lcm (kA 30 k Short circuit current (kaeff/400 V) 10 k Short circuit current (kaef	Conventional free air thermal current Ith	100 A
Protection rating front of panel IPA0 Protection rating rear of panel IPASB Rated break capacity (Aeff/400V) 800 A Rated insulation voltage Uimp (Overvoltage cat III - Pollution 3) Rated day (Aeff/400V) 1970 A Rated operating current le (AC15/230V) 6A Rated operating current le (AC15/230V) 4A Rated operating current le (AC15/230V) 22 kW Rated operating power (AC23A/3x230V) 22 kW Rated operating power (AC23A/3x30V) 37 kW Rated operating power (AC23A/3x30V) 30 kW Rated operating power (AC23A/3x30V) 18.5 kW Rated operating power (AC3A/3x30V) 30 kW Rated operating power (AC3A/3x30V) 37 kW Rated operating power (AC3A/3x30V) 30 kW Rated operating power (AC3A/3x50V) 30 kW Rated operating power (AC3A/3x50V) 37 kW Rated operating power (AC3A/3x50V) 37 kW Rated operating power (AC3A/3x50V) 30 kW Rated operating power (AC3A/3x50V) 30 kW Rated operating power (AC3A/3x50V) 32 kW Rated operating power (AC3A/3x50V) 30 kW Rated operat	Mechanical life AC20 (million)	0.04
Protection rating rear of panel IPxxB Rated break capacity (Aeff/400V) 800 A Rated impulse withstand voltage Uimp (Overvoltage cat III - Pollution 3) 68 kV Rated insulation voltage Ui 690 V Rated make capacity (Aeff/400V) 1970 A Rated operating current le (AC15/230V) 6 A Rated operating current le (AC15/400V) 4 A Rated operating power (AC23A/3x22A) 100 A Rated operating power (AC23A/3x230V) 37 kW Rated operating power (AC23A/3x400V) 37 kW Rated operating power (AC23A/3x500V) 45 kW Rated operating power (AC3/3x30V) 18,5 kW Rated operating power (AC3/3x30V) 30 kW Rated operating power (AC3/3x30V) 37 kW Rated operating power (AC3/3x500V) 37 kW Rated operating power (AC3/3x500V) 22 kW Rated operating power (AC3/3x500V) 37 kW Rated operating power (AC3/3x500V) 28 kA Rated short circuit make capacity Icm (kA peak/400V) 1500 A Rated short term withstand current Icw (kAff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 A	Number of poles	3
Rated break capacity (Aeff/400V) Rated impulse withstand voltage Uimp (Overvoltage cat III - Pollution 3) Rated insulation voltage Ui Rated make capacity (Aeff/400V) Rated operating current le (AC15/230V) Rated operating current le (AC15/230V) Rated operating current le (AC21A/22A) Rated operating power (AC23A/3x230V) Rated operating power (AC23A/3x230V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x500V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x500V) R	Protection rating front of panel	IP40
Rated impulse withstand voltage Uimp (Overvoltage cat III - Pollution 3) Rated insulation voltage Ui Rated make capacity (Aeffi/400V) Rated operating current le (AC15/230V) Rated operating current le (AC21A/22A) Rated operating current le (AC21A/22A) Rated operating power (AC23A/3x230V) Rated operating power (AC23A/3x400V) Rated operating power (AC23A/3x4500V) Rated operating power (AC23A/3x4500V) Rated operating power (AC23A/3x650V) Rated operating power (AC23A/3x650V) Rated operating power (AC33A/3x650V) Rated operating power (AC33Ax500V) Rated operating power (AC3/3x250V) Rated operating power (AC3/3x550V) Rated operating power (AC3/3x650V) Rated ope	Protection rating rear of panel	IPxxB
Rated insulation voltage Ui 690 V Rated make capacity (Aeff/400V) 1970 A Rated operating current le (AC15/230V) 6 A Rated operating current le (AC15/230V) 4 A Rated operating current le (AC21A/22A) 100 A Rated operating power (AC23A/3x230V) 22 kW Rated operating power (AC23A/3x230V) 45 kW Rated operating power (AC23A/3x230V) 30 kW Rated operating power (AC3/3x3690V) 30 kW Rated operating power (AC3/3x230V) 30 kW Rated operating power (AC3/3x500V) 30 kW Rated operating power (AC3/3x50	Rated break capacity (Aeff/400V)	800 A
Rated make capacity (Aeff/400V) 1970 A Rated operating current le (AC15/230V) 6 A Rated operating current le (AC15/400V) 4 A Rated operating power (AC23A/3x230V) 22 kW Rated operating power (AC23A/3x230V) 37 kW Rated operating power (AC23A/3x400V) 37 kW Rated operating power (AC23A/3x500V) 45 kW Rated operating power (AC3/3x230V) 18,5 kW Rated operating power (AC3/3x230V) 30 kW Rated operating power (AC3/3x230V) 37 kW Rated operating power (AC3/3x500V) 37 kW Rated operating power (AC3/3x690V) 22 kW Rated short circuit make capacity lcm (kA peak/400V) 2,8 kA Rated short term withstand current lcw (kAff/400V) 1500 A Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 A Standards CSA 22.2, IEC 60947-3, UL 508 Storage temperature max 70 °C Storage temperature operational max 70 °C		6 kV
Rated operating current le (AC15/230V)	Rated insulation voltage Ui	690 V
Rated operating current le (AC15/400V) Rated operating current le (AC21A/22A) Rated operating power (AC23A/3x230V) Rated operating power (AC23A/3x230V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x500V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x690V) Rated operating power (AC3/3x690V) Rated short circuit make capacity lcm (kA peak/400V) Rated short circuit make capacity lcm (kA peak/400V) Rated uninterrupted current lcw (Aeff/400V/1 s) Rated uninterrupted current (kAeff/400 V) Robort circuit current (kAeff/400 V) Robort circuit current with fuse gl/gG (A) Short circuit current with fuse gl/gG (A) Standards CSA 222, IEC 60947-3, UL 508 Storage temperature min -30 °C Storage temperature operational mix 70 °C Temperature operational min -30 °C	Rated make capacity (Aeff/400V)	1970 A
Rated operating current le (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/3x500V) 18,5 kW Rated operating power (AC3/3x230V) 30 kW Rated operating power (AC3/3x230V) 30 kW Rated operating power (AC3/3x500V) 37 kW Rated operating power (AC3/3x500V) 37 kW Rated operating power (AC3/3x690V) 22 kW Rated operating power (AC3/3x690V) 22 kW Rated short circuit make capacity lcm (kA peak/400V) 100 A Rated short circuit current lcw (Acff/400V/1 s) 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 A Standards CSA 222, IEC 60947-3 , UL 508 Storage temperature max 70 °C Storage temperature min -30 °C Temperature operational min -30 °C	Rated operating current le (AC15/230V)	6 A
Rated operating power (AC23A/3x230V) Rated operating power (AC23A/3x400V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x500V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x400V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x690V) Rated operating power (AC3/3x690V) Rated operating power (AC3/3x690V) Rated short circuit make capacity lcm (kA peak/400V) Rated short term withstand current lcw (Aeff/400V)1 s) Rated uninterrupted current lu 100 A Short circuit current with fuse gl/gG (A) Short circuit current with fuse gl/gG (A) Standards CSA 22.2, IEC 60947-3 , UL 508 Storage temperature min -30 °C Temperature operational mix 70 °C Temperature operational min -30 °C	Rated operating current le (AC15/400V)	4 A
Rated operating power (AC23A/3x400V) Rated operating power (AC23A/3x500V) Rated operating power (AC23A/3x690V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x200V) Rated operating power (AC3/3x500V) Rated short circuit make capacity lcm (kA peak/400V) Rated short circuit current lcw (Aeff/400V/1 s) Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 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	Rated operating current le (AC21A/22A)	100 A
Rated operating power (AC23A/3x590V) Rated operating power (AC23A/3x690V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x400V) Rated operating power (AC3/3x400V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x590V) Rated operating power (AC3/3x690V) Rated operating power (AC3/3x690V) Rated short circuit make capacity Icm (kA peak/400V) Rated short term withstand current Icw (Aeff/400V/1 s) Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 A Standards CSA 22.2, IEC 60947-3, UL 508 Storage temperature max 70 °C Storage temperature min 70 °C Temperature operational max 70 °C	Rated operating power (AC23A/3x230V)	22 kW
Rated operating power (AC23A/3x690V) Rated operating power (AC3/3x230V) Rated operating power (AC3/3x400V) Rated operating power (AC3/3x400V) Rated operating power (AC3/3x500V) Rated short circuit make capacity lcm (kA peak/400V) Rated short term withstand current lcw (Aeff/400V/1 s) Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 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	Rated operating power (AC23A/3x400V)	37 kW
Rated operating power (AC3/3x230V) Rated operating power (AC3/3x400V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x690V) Rated short circuit make capacity lcm (kA peak/400V) Rated short circuit make capacity lcm (kA peak/400V) Rated uninterrupted current lcw (Aeff/400V/1 s) Roted uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 A Standards CSA 22.2, IEC 60947-3 , UL 508 Storage temperature max 70 °C Temperature operational max 70 °C Temperature operational min -30 °C	Rated operating power (AC23A/3x500V)	45 kW
Rated operating power (AC3/3x400V) Rated operating power (AC3/3x500V) Rated operating power (AC3/3x690V) Rated short circuit make capacity lcm (kA peak/400V) Rated short term withstand current lcw (Aeff/400V/1 s) Rated short term withstand current lcw (Aeff/400V/1 s) Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 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	Rated operating power (AC23A/3x690V)	30 kW
Rated operating power (AC3/3x500V) Rated operating power (AC3/3x690V) Rated short circuit make capacity lcm (kA peak/400V) Rated short term withstand current lcw (Aeff/400V/1 s) Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 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	Rated operating power (AC3/3x230V)	18,5 kW
Rated operating power (AC3/3x690V) Rated short circuit make capacity lcm (kA peak/400V) Rated short term withstand current lcw (Aeff/400V/1 s) Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 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	Rated operating power (AC3/3x400V)	30 kW
Rated short circuit make capacity lcm (kA peak/400V) Rated short term withstand current lcw (Aeff/400V/1 s) Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 A Standards CSA 22.2, IEC 60947-3 , UL 508 Storage temperature max 70 °C Storage temperature min -30 °C Temperature operational min -30 °C	Rated operating power (AC3/3x500V)	37 kW
Rated short term withstand current Icw (Aeff/400V/1 s) Rated uninterrupted current Iu 100 A Short circuit current (kAeff/400 V) 100 kA Short circuit current with fuse gl/gG (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	Rated operating power (AC3/3x690V)	22 kW
Rated uninterrupted current lu 100 A Short circuit current (kAeff/400 V) 10 kA Short circuit current with fuse gl/gG (A) 100 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	· · · · · · · · · · · · · · · · · · ·	2,8 kA
Short circuit current (kAeff/400 V) Short circuit current with fuse gl/gG (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		1500 A
Short circuit current with fuse gl/gG (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 -30 °C	Rated uninterrupted current lu	100 A
StandardsCSA 22.2, IEC 60947-3 , UL 508Storage temperature max70 °CStorage temperature min-30 °CTemperature operational max70 °CTemperature operational min-30 °C	Short circuit current (kAeff/400 V)	10 kA
Storage temperature max 70 °C Storage temperature min -30 °C Temperature operational max 70 °C Temperature operational min -30 °C	Short circuit current with fuse gl/gG (A)	100 A
Storage temperature min -30 °C Temperature operational max 70 °C Temperature operational min -30 °C	Standards	CSA 22.2, IEC 60947-3 , UL 508
Temperature operational max 70 °C Temperature operational min -30 °C	Storage temperature max	70 °C
Temperature operational min -30 °C	Storage temperature min	-30 °C
	Temperature operational max	70 °C
Type Switch and handle	Temperature operational min	-30 °C
	Туре	Switch and handle



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

