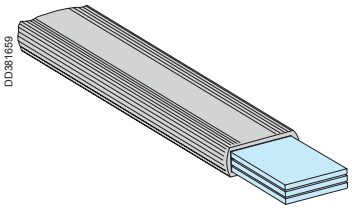
Insulated flexible bars

Non-centralised distribution

Presentation



The insulated flexible bars are tested in a type-tested switchboard environment.
Their design takes into account the switchboard architecture where they are often in close proximity to a protection device (circuit breaker or fuse) with significant heat losses.
In-depth knowledge of switchboard architecture and the connected devices led to the establishment of a selection table based on the type of device.
Flexible bars are 1800 mm long and made of copper with an insulating sheath.
Rated insulation level Ui = 1000 V.
The sizes for the flexible bars indicated below take into account the heat losses of Schneider devices in a Prisma Plus switchboard.

Catalogue number selection

Connection between device and busbars

The flexible bars are determined taking into account the connected device, whatever the internal temperature of the switchboard.
The bar sizes indicated below take into account the derating curves of devices.

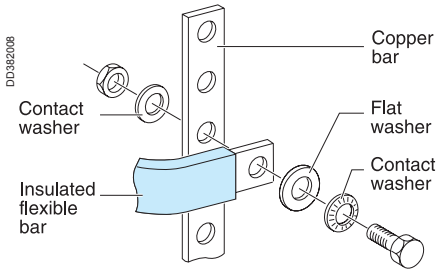
Device	Size (mm)	Cat. no.
NSX100	20 x 2	**04742**
NSX160/250	20 x 3 (1)	**04743**
NSX400	32 x 5	**04751**
NSX630	32 x 8	**04753**
INS125/160	20 x 2	**04742**
INS250	20 x 3	**04743**
INS400	32 x 5	**04751**
INS630	32 x 6	**04752**
200 A Multiclip	20 x 3	**04743**
Polypact, 3P (2)	32 x 8	**04753**
Polypact, 4P (2)	32 x 8	**04753**
Fupact 250	24 x 5	**04746**
Fupact 400	32 x 5	**04751**
Fupact 630	32 x 8	**04753**

(1) To connect a Compact NSX250 to Powerclip busbars, use a 24 x 5 mm flexible bar (04746).
(2) The connection of a Polypact distribution block using insulated flexible bars is not compatible with Form 2 partitioning (04922).
In this case, use the form 2 restoration kit 04924 (see page 400E22900.indd/6).

Connection between busbars

Flexible bars are designed for connections between busbars taking into account the following characteristics:
a maximum temperature of 60 °C inside the switchboard. This corresponds to the average temperature inside a switchboard for an ambient temperature of 35 °C
■ the maximum withstand temperature for the insulating material is 125 °C.

Ie max. (A)	Size (mm)	Cat. no.
200	20 x 2	**04742**
250	20 x 3	**04743**
400	24 x 5	**04746**
520	32 x 5	**04751**
580	32 x 6	**04752**
660	32 x 8	**04753**



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