

Series B 6 - B 48 and BB 10 - BB 92

Series B 6 - B 24 with new housing design



Series B 6 - B 48 with push-in terminals



Termination methods available with series B

- Screw terminal inserts
- Contact carriers for crimp contacts
- Inserts with insulation displacement connection (IDC) for considerable time saving during installation
- Push-In terminals

Screw terminal inserts

are available either with or without **wire protection**. This wire protection **saves the time-consuming crimping of wire-end ferrules**.



Of course, all WALTHER contacts are provided with **open, captive screws**.

Locking systems:

- Series **B 6** and **B 48**: only with **single locking system**
- Series **B 32**: only with **double locking system**
- Series **B 10, B 16, B 24**: both locking systems possible



Housing size 5 with single locking system



Housing size 9 with double locking system



Housing sizes 6-7-8 with both locking systems



Housing size 10 with single locking system

Housings of series B 6 - B 24: More possibilities with exchangeable locking levers

Easy and cost-saving exchange of single and double locking levers in case of damage or material fatigue.

Just press replacement lever in axial direction onto the bolts until they lock in place.



Series BB 10 - BB 92



Series BB has only contact carriers for crimp contacts

Attachable rubber flange gasket for series B 6, B 10, B 16, B 24

- reduced mounting time
- optimum handling
- quick switch cabinet mounting



Series B 6 - B 24

If connectors have to be disconnected frequently, wall-mount or panel housings with hinged spring cover and single locking system should be used.



Thus also data connectors are protected against harsh industrial environments.

Mounting of data connectors in aluminium housings is made possible by adapter plates.

Wiring adapters

are mounted directly into the panel housing - as cost-saving switch cabinet feed-through and space-saving connection element.

With screw terminals



Series B

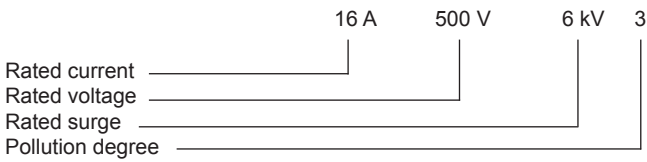
Specifications

Regulations: DIN VDE 0627,
DIN VDE 0110,
DIN EN 61 984

Approvals: UR, CSA, SEV, MEIE, EZÚ

Number of poles: 6, 10, 16, 24, 32 (2 x 16),
48 (2 x 24) + PE

Electrical data acc. to DIN EN 61 984:



Rated voltage acc. to UL/CSA: 600 V
(Table with rated surges see chapter "Information")

Material: Glass-fibre reinforced polyamide
Temperature range: - 40 °C up to + 125 °C
Flame class rating acc. to UL 94: V 0
Mechanical operating life: ≥ 500 mating cycles

Contacts

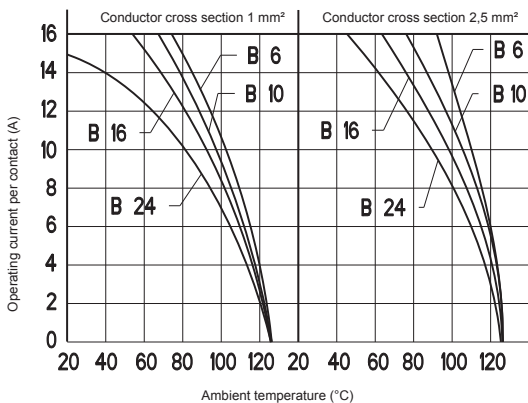
Material: Copper alloy
Surface: hard silver plated: 3 µm Ag
hard gold plated: 2 µm Au over 3 µm Ni

Contact resistance: < 1 m Ω
Screw type terminal with wire protection: 2,5 mm² (14 AWG)
Screw type terminal without wire protection: 4 mm² (12 AWG)
Torque / testing torque: 0,5 Nm
Crimp type terminal: 0,5 - 4 mm² (20 - 12) AWG
Wire stripping length: 7 mm with screw + crimp contacts
IDC terminals: 0,5 - 2,5 mm² (20 - 14 AWG)

Application advice:

Industrial connectors are electrical devices which must not be connected or disconnected under load!

The derating diagram (corrected current capacity curve) acc. to DIN IEC 60 512 applies to such current which can - depending on ambient temperature and conductor size - circulate through each contact without exceeding the upper limiting temperature.



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B 6-pole + ⚡

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- Matching housings see page 121 - 123 -



B 10-pole + ⚡

Inserts 28 - 29

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- Matching housings see page 125 - 131 -



B 16-pole + ⚡

Inserts 30 - 31

- Short overview see page 132 -
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B 24-pole + ⚡

Inserts 32 - 33

- Short overview see page 142 -
- Matching housings see page 143 - 149 -



B 32-pole + ⚡

Inserts 34 - 35

- Short overview see page 150 -
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B 48-pole + ⚡

Inserts 36 - 37

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