

## Data Sheet | Item Number: 812-103

Busbar terminal block; for (10 x 3) mm busbars; without push-buttons; Push-in CAGE CLAMP®; red

<https://www.wago.com/812-103>



Color: ■ red

Common potential terminal block, 812 Series, operating tool

This common potential terminal block (item number 812-103) streamlines wire connections, making them both quick and easy. Ensure that the strip lengths are 11 mm when connecting conductors to this common potential terminal block. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, featuring a winning design: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. The item's dimensions are 75 x 30 x 27.5 mm (width x height x depth). Depending on the conductor type, this common potential terminal block is designed for conductor cross sections ranging from 0.5 mm<sup>2</sup> to 4 mm<sup>2</sup>. It features one level and twelve clamping points for connecting a single potential. The red housing is made of polyamide (PA66) for insulation.

### Electrical data

#### Ratings per IEC/EN

Nominal voltage (III/3)	1000 V
Rated impulse withstand voltage (III / 3)	6 kV
Rated current	96 A
Legend (ratings)	(III / 3) ± Overvoltage category III / Pollution degree 3

#### Ratings per IEC/EN – Notes

Rated current (note)	Current carrying capacity: With a maximum total current of 96 A, the clamping units of the busbar terminal block can be loaded with the rated current of the conductor cross-sections approved. This only applies when (10 x 3) mm busbars are used.
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### Connection data

Clamping units	12
Total number of potentials	1
Number of levels	1

#### Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Solid conductor; push-in termination	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Stranded conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Fine-stranded conductor	0.5 ... 4 mm <sup>2</sup> / 20 ... 12 AWG
Strip length	11 mm / 0.43 inches
Wiring direction	Front-entry wiring

### Physical data

Width	75 mm / 2.953 inches
Height	30 mm / 1.181 inches
Depth	27.5 mm / 1.083 inches

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	red
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.823 MJ
Weight	35.7 g

### Environmental requirements

Continuous operating temperature	-35 ... +85 °C
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### Commercial data

Product Group	12 (Matrix Patch Board)
eCl@ss 10.0	27-14-11-46
eCl@ss 9.0	27-14-11-46
ETIM 9.0	EC000001
ETIM 8.0	EC000001
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918253284
Customs tariff number	85369010000

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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