



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 mm² to 4 mm². 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		Ratings per IEC/EN – Notes
Nominal voltage (III/3)	1000 V	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.
Rated impulse withstand voltage (III / 3)	6 kV	
Rated current	96 A	
Legend (ratings)	(III / 3) △ Overvoltage category III / Pollution degree 3	

Connection data																				
Clamping units	12	<div>Connection 1</div> <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Solid conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Solid conductor; push-in termination</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Stranded conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 4 mm² / 20 ... 12 AWG</td></tr><tr><td>Strip length</td><td>11 mm / 0.43 inches</td></tr><tr><td>Wiring direction</td><td>Front-entry wiring</td></tr></table>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Operating tool	Connectable conductor materials	Copper	Solid conductor	0.5 ... 4 mm² / 20 ... 12 AWG	Solid conductor; push-in termination	0.5 ... 4 mm² / 20 ... 12 AWG	Stranded conductor	0.5 ... 4 mm² / 20 ... 12 AWG	Fine-stranded conductor	0.5 ... 4 mm² / 20 ... 12 AWG	Strip length	11 mm / 0.43 inches	Wiring direction	Front-entry wiring
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Total number of potentials	1																			
Number of levels	1																			



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

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