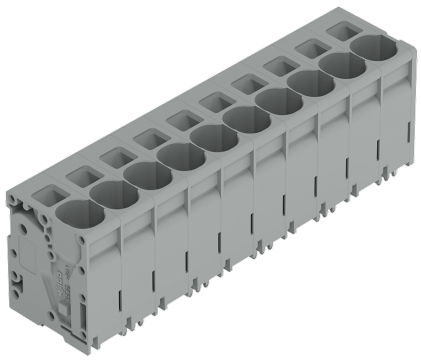
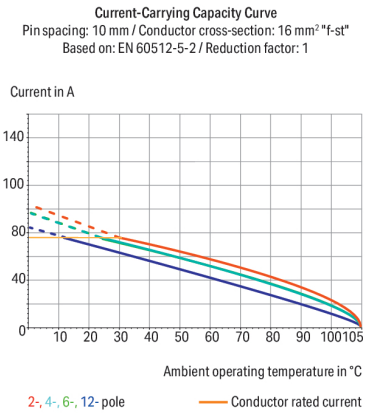
Data Sheet | Item Number: 2636-3110/020-000

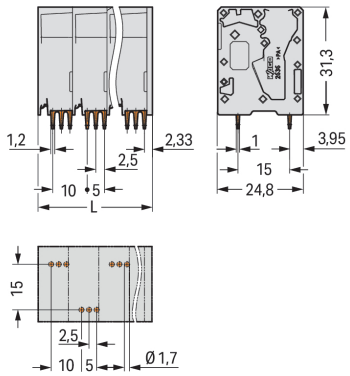
PCB terminal block; 16 mm²; Pin spacing 10 mm; 10-pole; Push-in CAGE CLAMP®; 16,00 mm²; gray

https://www.wago.com/2636-3110/020-000





Color: gray



Dimensions in mm
L = (pole no. – 1) x pin spacing + 11.6 mm

PCB terminal block, 2636 Series, gray

This PCB terminal block (item number 2636-3110/020-000) is designed for easy and secure connections. It is a universal connector that can be used almost anywhere, for example, as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. Strip lengths must be between 18 and 20 mm when connecting conductors to this PCB terminal block. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The dimensions are (101.6 x 35.3 x 24.8) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is ideal for conductor cross sections ranging from 0.75 mm² to 16 mm².

The contact surface is coated with tin. This PCB terminal block is operated with an operating tool. THT is used to assemble the PCB terminal block. The conductor is designed to be inserted at a 90° angle..

Notes

General safety information	**NOTICE: Observe installation and safety instructions!** **To be sold only with installation instructions!**
Variants:	Other pole numbers Direct marking Other colors Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	1000 V	1000 V
Rated impulse withstand voltage	8 kV	8 kV	8 kV
Rated current	76 A	76 A	76 A

Ratings per UL	
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	66 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	66 A

Approvals per	CSA		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	66 A	66 A	-

Connection Data

Clamping units	10
Total number of potentials	10
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.75 … 16 mm² / 18 … 4 AWG
Fine-stranded conductor	0.75 … 25 mm² / 18 … 4 AWG
Fine-stranded conductor; with insulated ferrule	0.75 … 16 mm²
Fine-stranded conductor; with uninsulated ferrule	0.75 … 16 mm²
Fine-stranded conductor; with twin ferrule	0.75 … 6 mm²
Strip length	18 … 20 mm / 0.71 … 0.79 inches
Conductor connection direction to PCB	90 °
Pole number	10

Physical data

Pin spacing	10 mm / 0.394 inches
Width	101.6 mm / 4 inches
Height	35.3 mm / 1.39 inches
Height from the surface	31.3 mm / 1.232 inches
Depth	24.8 mm / 0.976 inches
Solder pin length	4 mm
Solder pin dimensions	1.2 x 1 mm
Drilled hole diameter	1.7 $^{(+0.1)}$ mm

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Mechanical data

Mounting type	Feed-through mounting
Suitable for through-panel applications	Yes

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip (staggered)
Number of solder pins per potential	3

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact Plating	Tin
Fire load	0.886 MJ
Weight	80.1 g

Environmental requirements

Limit temperature range	-60 … +105 °C
Processing temperature	-35 … +60 °C
Continuous operating temperature	-60 … +105 °C

Commercial data

PU (SPU)	14 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966504798
Customs tariff number	85369010000

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 10.0	EC002643
ECCN	NO US CLASSIFICATION

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	EN 60947-7-4	NL-61617
CSA DEKRA Certification B.V.	C22.2	70154737
DEKRA DEKRA Certification B.V.	EN 60947-7-4	71-148282
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-110774
UL Underwriters Laboratories Inc.	C22.2 No. 158	UL-US-L45172-6187173-60217102-1

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2636-3110/020-000

Documentation

Safety Data Sheet

Handling and Safety Instructions of PCB Terminal Blocks with Push-In Cage Clamp	pdf 393.90 KB	

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 2636-3110/020-000

CAE data

ZUKEN Portal 2636-3110/020-000

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PCB Design	
Symbol and Footprint via SamacSys 2636-3110/020-000	
Symbol and Footprint via Ultra Librarian 2636-3110/020-000	

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-284
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item No.: 216-289
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item No.: 216-210
Ferrule; Sleeve for 16 mm² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-286
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item No.: 216-287
Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item No.: 216-288
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow

1.1.2 Tool

1.1.2.1 Operating tool



Item No.: 210-721
Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured

Installation Notes

Conductor termination



Insert fine-stranded conductors and remove all conductor types via operating tool.

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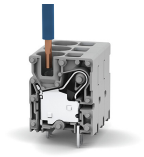
Conductor termination



Insert solid conductors via push-in termination.