

Data Sheet | Item Number: 2716-103

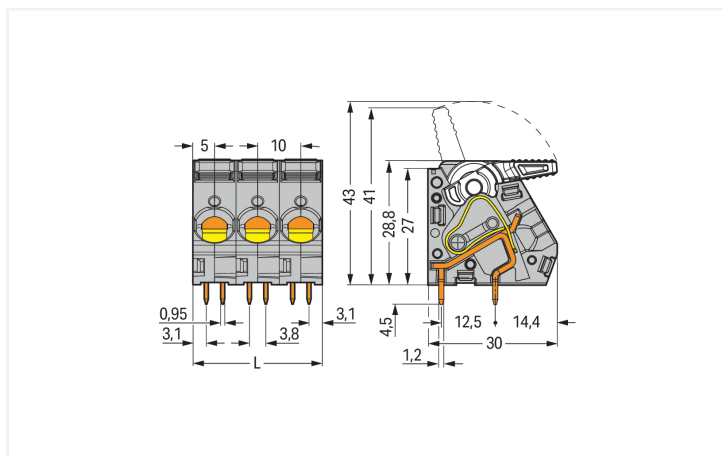
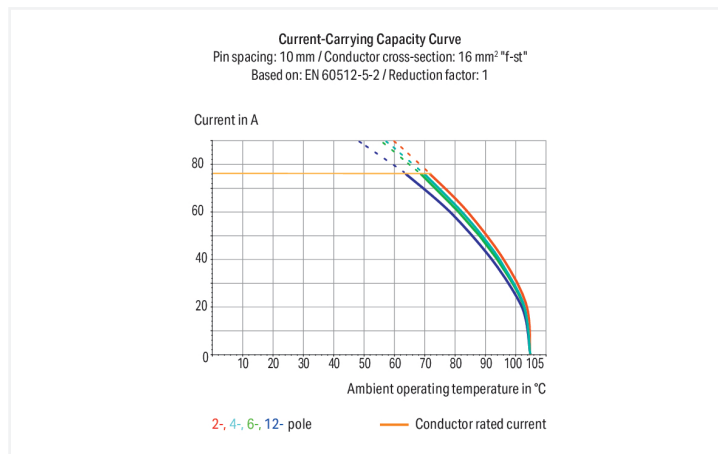
PCB terminal block; lever; 16 mm²; Pin spacing 10 mm; 3-pole; CAGE CLAMP®; gray

<https://www.wago.com/2716-103>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = pole no. x pin spacing

PCB terminal block, 2716 Series, CAGE CLAMP®

Our PCB terminal block (item number 2716-103) simplifies electrical installations. It is ideal for custom installations with different mounting types. Conductors should only be connected to this PCB terminal block if their strip length is between 12 and 13 mm. This product features one conductor terminal and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a convenient and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. The item's dimensions are (30 x 33.3 x 30) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is suitable for conductor cross sections ranging from 1.5 mm² to 16 mm².

The contact surface is coated with tin. This PCB terminal block is operated with a lever. The PCB terminal block is designed for THT soldering. Insert the conductor into the board at a 30° angle..



Notes	
Variants:	Other pole numbers Other colors Mixed-color PCB connector strips Direct marking 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		320 V	320 V	630 V
Rated impulse withstand voltage		4 kV	4 kV	4 kV
Rated current		76 A	76 A	76 A

Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	150 V	300 V
Rated current		55 A	55 A	10 A

Connection Data	
Clamping units	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Lever
Solid conductor	1.5 ... 16 mm ² / 16 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm ² / 16 ... 6 AWG
Fine-stranded conductor; with insulated ferrule	1.5 ... 10 mm ²
Fine-stranded conductor; with uninsulated ferrule	1.5 ... 10 mm ²
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches
Conductor connection direction to PCB	30 °
Pole number	3

Physical data	
Pin spacing	10 mm / 0.394 inches
Width	30 mm / 1.181 inches
Height	33.3 mm / 1.311 inches
Height from the surface	28.8 mm / 1.134 inches
Depth	30 mm / 1.181 inches
Solder pin length	4.5 mm
Solder pin dimensions	0.95 x 1.2 mm
Drilled hole diameter	1.6 (+0.1) mm

PCB contact	
PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	4



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	0.382 MJ	
Weight	26.8 g	

Environmental requirements		
Limit temperature range	-60 ... +105 °C	

Commercial data		
Product Group	4 (Printed Circuit Connectors)	
PU (SPU)	40 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4045454739270	
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	

Environmental Product Compliance		
RoHS Compliance Status	Compliant, No Exemption	

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7131
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-117512
UL Underwriters Laboratories Inc.	UL 1059	UL-US- L45172-618716-41211891-7

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2716-103

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

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CAD/CAE-Data

CAD data

2D/3D Models 2716-103

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CAE data

ZUKEN Portal 2716-103

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PCB Design

Symbol and Footprint via SamacSys 2716-103

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Symbol and Footprint via Ultra Librarian 2716-103

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-264

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.: 216-209

Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red



Item No.: 216-109

Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated



Item No.: 216-266

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.: 216-267

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.: 216-208

Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-108

Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored

1.1.2 Test and measurement

1.1.2.1 Testing accessories



Item No.: 210-136

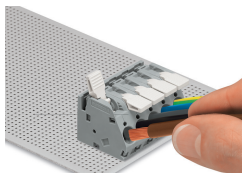
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

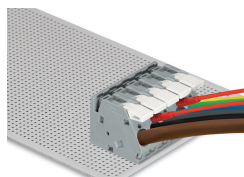


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

Testing



Testing with test plug – 2706 and 2716 Series.