

Data Sheet | Item Number: 2716-258

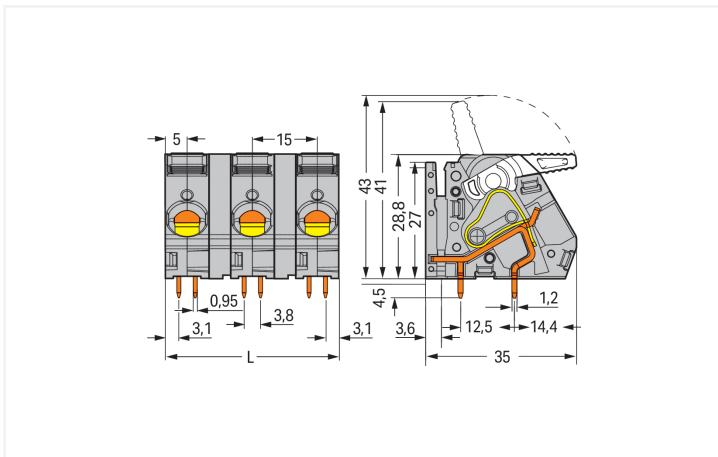
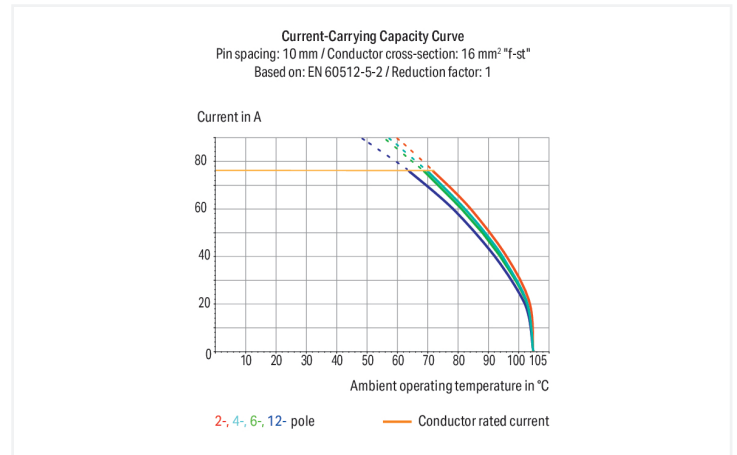
PCB terminal block; lever; 16 mm²; Pin spacing 15 mm; 8-pole; CAGE CLAMP®; commoning option; gray

<https://www.wago.com/2716-258>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) – 5 mm

PCB terminal block, 2716 Series, CAGE CLAMP®

This PCB terminal block (item number 2716-258) is designed for simple and secure connections. It is a universal connector that can be used practically 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 12 and 13 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection provides a proven 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 dimensions are (115 x 33.3 x 35) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 1.5 mm² to 16 mm².

Tin is used for coating the contact surfaces. A lever is used to operate this PCB terminal block. 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		800 V	1000 V	1000 V
Rated impulse withstand voltage		8 kV	8 kV	8 kV
Rated current		76 A	76 A	76 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		600 V	600 V	-
Rated current		65 A	65 A	-

Connection Data	
Clamping units	8
Total number of potentials	8
Number of connection types	1
Number of levels	1
Number of jumper slots	1
Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Lever
Solid conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Fine-stranded conductor; with insulated ferrule	1.5 ... 10 mm²
Fine-stranded conductor; with uninsulated ferrule	1.5 ... 10 mm²
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches
Conductor connection direction to PCB	30 °
Pole number	8

Physical data	
Pin spacing	15 mm / 0.591 inches
Width	115 mm / 4.528 inches
Height	33.3 mm / 1.311 inches
Height from the surface	28.8 mm / 1.134 inches
Depth	35 mm / 1.378 inches
Solder pin length	4.5 mm
Solder pin dimensions	0.95 x 1.2 mm
!	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		2.05 MJ
Weight		101.7 g

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

Commercial data		
Product Group		4 (Printed Circuit Connectors)
PU (SPU)		8 pcs
Packaging type		Box
Country of origin		PL
GTIN		4045454739546
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
cURus Underwriters Laboratories Inc.	UL 1059	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-117512



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2716-258

Documentation

Additional Information

Technical Section03.04.2019pdf2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models2716-258

CAE data

ZUKEN Portal2716-258

PCB Design

Symbol and Footprint via SamacSys2716-258

Symbol and Footprint via Ultra Librarian2716-258

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.: 216-284
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.: 216-209
Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red



Item No.: 216-109
Ferrule; Sleeve for 10 mm² / AWG 8; un-insulated; 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.: 216-286
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.: 216-267
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.: 216-287
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.: 216-208
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.: 216-288
Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item No.: 216-108
Ferrule; Sleeve for 6 mm² / AWG 10; un-insulated; electro-tin plated; silver-colored

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 745-632
Jumper; 2-way; silver-colored



Item No.: 745-631
Jumper; 2-way; unplated; silver-colored



Item No.: 745-633
Jumper; 3-way; unplated; silver-colored



Item No.: 745-634
Jumper; 4-way; silver-colored



Item No.: 745-635
Jumper; 5-way; unplated; silver-colored

1.1.3 Test and measurement

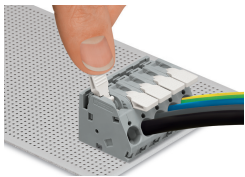
1.1.3.1 Testing accessories



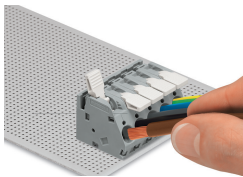
Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

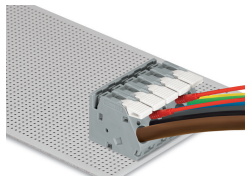


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



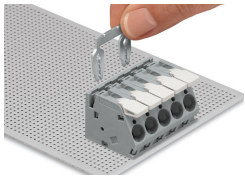
Inserting/removing a conductor – 2706 and 2716 Series.

Testing

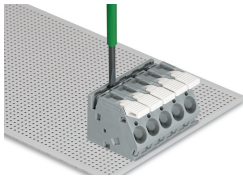


Testing with test plug – 2706 and 2716 Series.

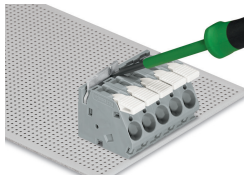
Commoning



Inserting a comb-style jumper bar.



Push jumper bar down firmly using a screwdriver until it hits the backstop – 2706 and 2716 Series.



To remove the comb-style jumper bar, lift it up using a screwdriver – 2706 and 2716 Series.