

Data Sheet | Item Number: 2716-253

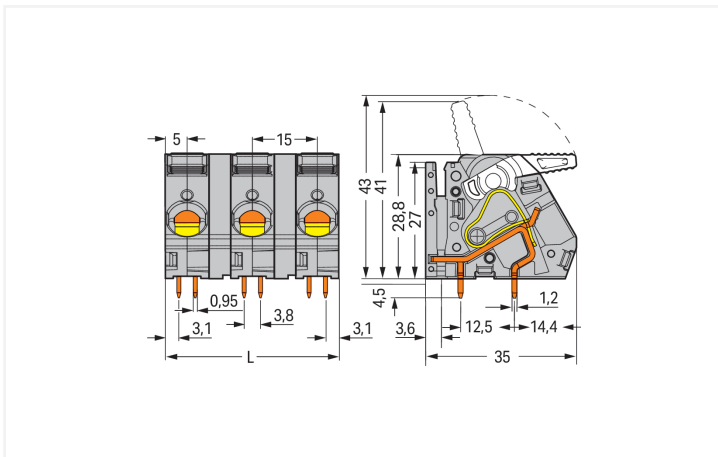
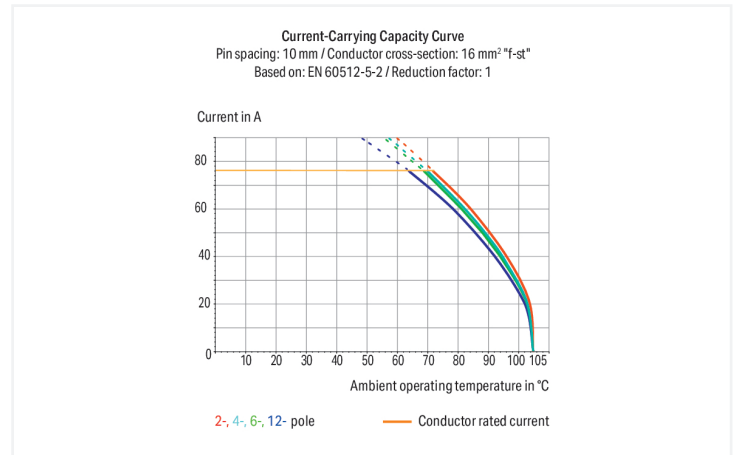
PCB terminal block; lever; 16 mm²; Pin spacing 15 mm; 3-pole; CAGE CLAMP®; commoning option; gray

<https://www.wago.com/2716-253>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) – 5 mm

PCB terminal block, 2716 Series, 30° conductor entry to board

Connect conductors quickly and easily with this PCB terminal block (item number 2716-253). It is perfect for custom installations with different mounting types. Strip lengths must be between 12 and 13 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with CAGE CLAMP®, this product outperforms the competition. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. The item's dimensions are (40 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. THT is used to assemble the PCB terminal block. The conductor is designed to be inserted into the board at an angle of 30°.



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			Approvals per	
		UL 1059				
Overvoltage category	III	III	II		Use group	B
Pollution degree	3	2	2		Rated voltage	600 V
Nominal voltage	800 V	1000 V	1000 V		Rated current	65 A
Rated impulse withstand voltage	8 kV	8 kV	8 kV			
Rated current	76 A	76 A	76 A			

Connection Data		Connection 1	
Clamping units	3	Connection technology	CAGE CLAMP®
Total number of potentials	3	Actuation type	Lever
Number of connection types	1	Solid conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Number of levels	1	Fine-stranded conductor	1.5 ... 16 mm² / 16 ... 6 AWG
Number of jumper slots	1	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	3

Physical data	
Pin spacing	15 mm / 0.591 inches
Width	40 mm / 1.575 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		0.72 MJ
Weight		36.5 g

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

Commercial data		
Product Group		4 (Printed Circuit Connectors)
PU (SPU)		24 pcs
Packaging type		Box
Country of origin		PL
GTIN		4045454739492
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
cURus Underwriters Laboratories Inc.	UL 1059	E45172



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 2716-253			

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data			
2D/3D Models 2716-253			

CAE data	
ZUKEN Portal 2716-253	

PCB Design	
Symbol and Footprint via SamacSys 2716-253	
Symbol and Footprint via Ultra Librarian 2716-253	

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

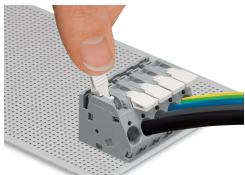
1.1.3.1 Testing accessories



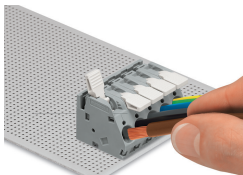
Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

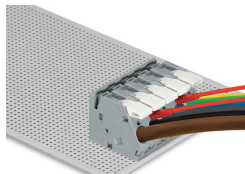


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



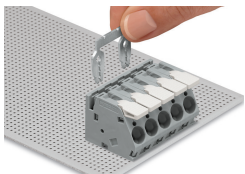
Inserting/removing a conductor – 2706 and 2716 Series.

Testing

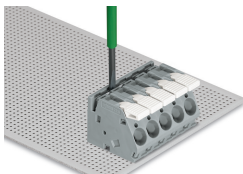


Testing with test plug – 2706 and 2716 Series.

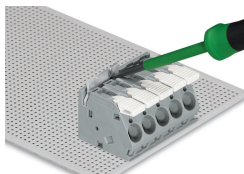
Commoning



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.