

Data Sheet | Item Number: 2716-257

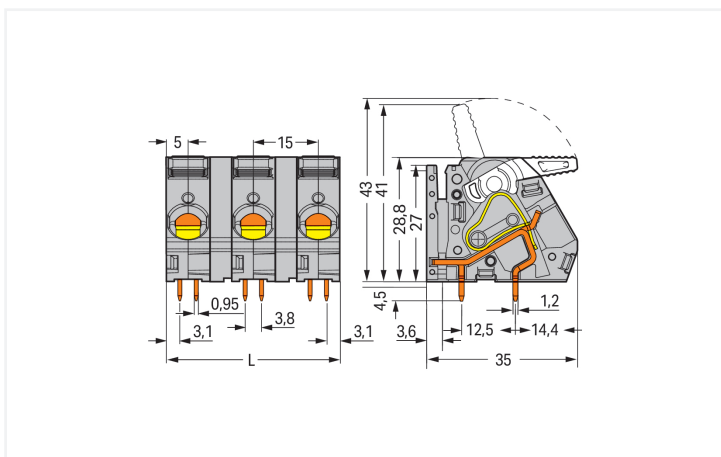
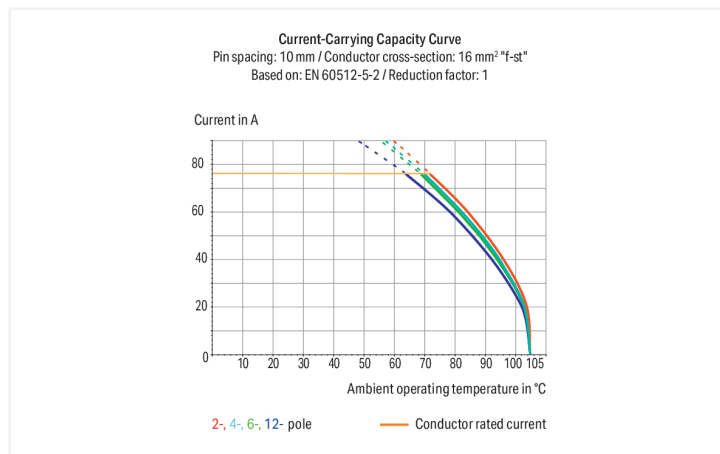
PCB terminal block; lever; 16 mm²; Pin spacing 15 mm; 7-pole; CAGE CLAMP®; commoning option; gray

<https://www.wago.com/2716-257>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) – 5 mm

PCB terminal block, 2716 Series, with 15 mm pin spacing

Quick and easy connections are guaranteed with this PCB terminal block (item number 2716-257). It is a universal connector that can be used practically anywhere, e.g., as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. 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 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. Dimensions: (100 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.

The contact surface is coated with tin. A lever is used to operate this PCB terminal block. THT is used to solder the PCB terminal block. The conductor is designed to be inserted 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/ .
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Electrical data

Ratings per	IEC/EN 60664-1			Approvals per	UL 1059		
	III	III	II		B	C	D
Overtoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	600 V	600 V	-
Nominal voltage	800 V	1000 V	1000 V	Rated current	65 A	65 A	-
Rated impulse withstand voltage	8 kV	8 kV	8 kV				
Rated current	76 A	76 A	76 A				

Connection Data

Clamping units	7	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 7
Total number of potentials	7	
Number of connection types	1	
Number of levels	1	
Number of jumper slots	1	

Physical data

Pin spacing	15 mm / 0.591 inches
Width	100 mm / 3.937 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
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	1.469 MJ
Weight	88.7 g

Environmental requirements

Limit temperature range	-60 ... +105 °C
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Commercial data

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	8 pcs
Packaging type	Box
Country of origin	PL
GTIN	4045454739539
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
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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 2716-257	↓

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 2716-257	↓

CAE data	
ZUKEN Portal 2716-257	↓

PCB Design








Symbol and Footprint via SamacSys 2716-257	↓
Symbol and Footprint via Ultra Librarian 2716-257	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

			
<p>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</p>	<p>Item No.: 216-209 Ferrule; Sleeve for 10 mm² / AWG 8; insulated; electro-tin plated; red</p>	<p>Item No.: 216-109 Ferrule; Sleeve for 10 mm² / AWG 8; uninsulated; electro-tin plated</p>	<p>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</p>
			
<p>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</p>	<p>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</p>	<p>Item No.: 216-108 Ferrule; Sleeve for 6 mm² / AWG 10; uninsulated; electro-tin plated; silver-colored</p>	

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

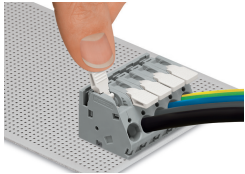
1.1.3.1 Testing accessories



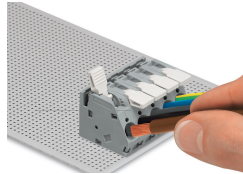
Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

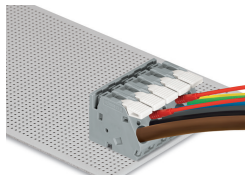


To open the clamping unit, pull the operating lever all the way back – 2706 and 2716 Series.



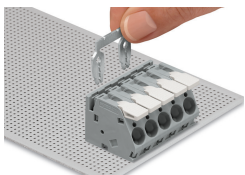
Inserting/removing a conductor – 2706 and 2716 Series.

Testing

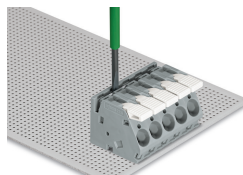


Testing with test plug – 2706 and 2716 Series.

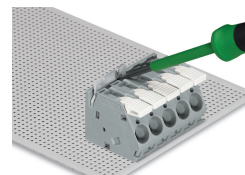
Commoning



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.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com