

Data Sheet | Item Number: 2706-159

PCB terminal block; lever; 6 mm²; Pin spacing 7.5 mm; 9-pole; CAGE CLAMP®; commoning option; gray

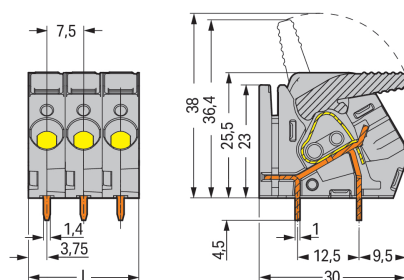
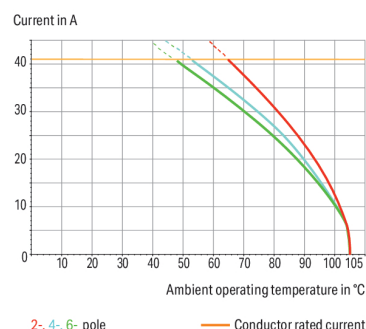
<https://www.wago.com/2706-159>



Color: ■ gray

Similar to illustration

Current-Carrying Capacity Curve
Pin spacing: 7.5 mm / Conductor cross-section: 6 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



Dimensions in mm
L = pole no. x pin spacing

PCB terminal block, 2706 Series, CAGE CLAMP®

This PCB terminal block (item number 2706-159) is designed to connect conductors quickly and easily. You can rely on proven safety with these PCB terminal blocks, perfect for a host of applications when designing your devices. Conductors can only be connected to this PCB terminal block if their strip length is between 11 and 12 mm. Featuring one conductor terminal along with CAGE CLAMP®, this product delivers reliable performance. Our CAGE CLAMP® connection provides a secure 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. Dimensions: (67.5 x 30 x 30) mm (width x height x depth). Depending on the conductor type, this PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 6 mm².

The contact surface is coated with tin. 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 an angle of 30°.



Notes	
Safety Information	Using adjacent jumpers, the rated voltage is reduced to 400 V with 7.5 mm pin spacing in Category III/3.
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	300 V
Nominal voltage	500 V	630 V	1000 V		Rated current	30 A
Rated impulse withstand voltage	6 kV	6 kV	6 kV			
Rated current	41 A	41 A	41 A			

Connection Data			
Clamping units	9	Connection 1	
Total number of potentials	9	Connection technology	CAGE CLAMP®
Number of connection types	1	Actuation type	Lever
Number of levels	1	Solid conductor	0.5 ... 6 mm² / 20 ... 10 AWG
Number of jumper slots	1	Fine-stranded conductor	0.5 ... 6 mm² / 20 ... 10 AWG
		Fine-stranded conductor; with insulated ferrule	0.5 ... 6 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.5 ... 6 mm²
		Strip length	11 ... 12 mm / 0.43 ... 0.47 inches
		Conductor connection direction to PCB	30 °
		Pole number	9

Physical data	
Pin spacing	7.5 mm / 0.295 inches
Width	67.5 mm / 2.657 inches
Height	30 mm / 1.181 inches
Height from the surface	25.5 mm / 1.004 inches
Depth	30 mm / 1.181 inches
Solder pin length	4.5 mm
Solder pin dimensions	1 x 1.4 mm
!	1.8 (+0.1) mm

PCB contact	
PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	2



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	1.043 MJ	
Weight	51.8 g	

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

Commercial data		
Product Group	4 (Printed Circuit Connectors)	
PU (SPU)	15 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4050821093183	
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			Declarations of conformity and manufacturer's declarations		
   			Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	2143801.01	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7869	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60947-7-4	71-117469			
CSA DEKRA Certification B.V.	C22.2 No. 158	2516072			
UL UL International Germany GmbH	UL 1059	E45172			



Downloads

Environmental Product Compliance

Compliance Search

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Documentation

Additional Information

Technical Section

03.04.2019

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PCB Design

Symbol and Footprint via SamacSys 2706-159

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



[Item No.: 216-262](#)
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



[Item No.: 216-263](#)
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



[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.: 216-266](#)
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; uninsulated; electro-tin plated; silver-colored

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 745-380
Jumper; 10-way; unplated; silver-colored



Item No.: 745-381
Jumper; 2-way; unplated; silver-colored



Item No.: 745-382
Jumper; 2-way; unplated; silver-colored



Item No.: 745-383
Jumper; 3-way; silver-colored



Item No.: 745-384
Jumper; 4-way; unplated; silver-colored



Item No.: 745-385
Jumper; 5-way; unplated; silver-colored

1.1.3 Test and measurement

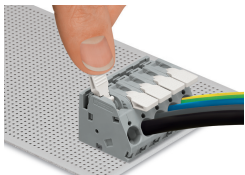
1.1.3.1 Testing accessories



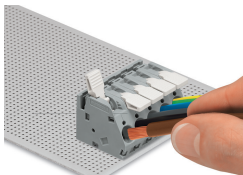
Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

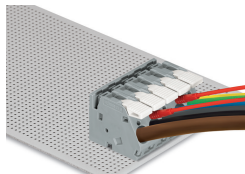


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



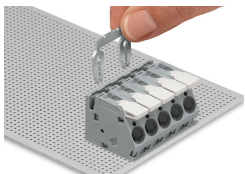
Inserting/removing a conductor – 2706 and 2716 Series.

Testing

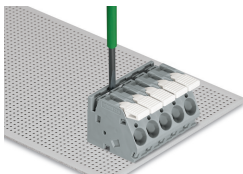


Testing with test plug – 2706 and 2716 Series.

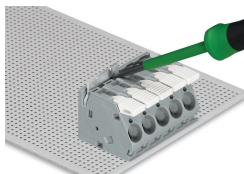
Commoning



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.