

Data Sheet | Item Number: 2706-308

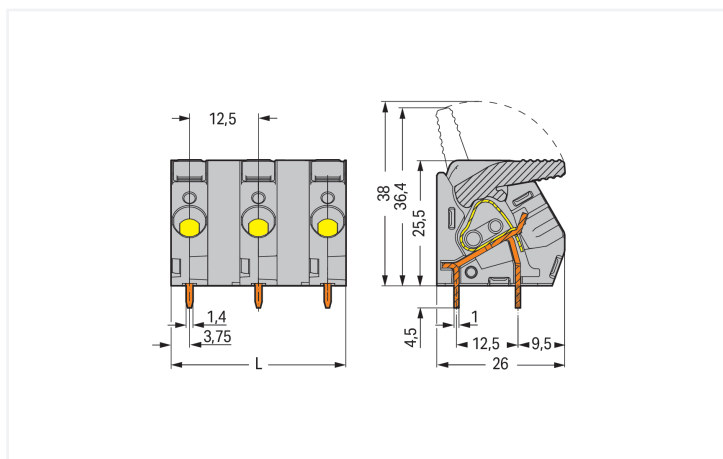
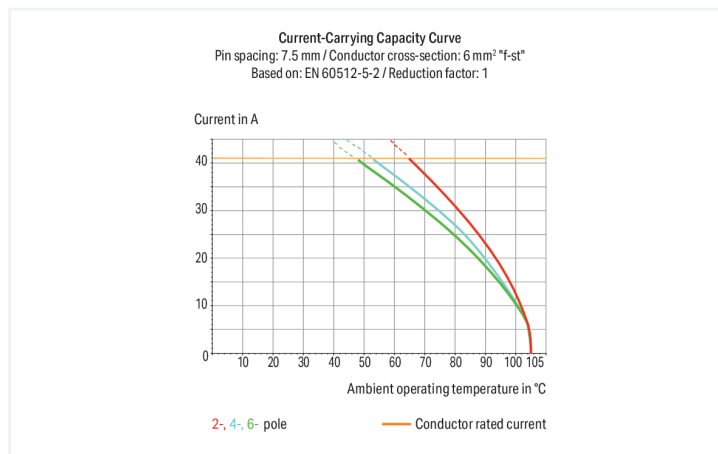
PCB terminal block; lever; 6 mm²; Pin spacing 12.5 mm; 8-pole; CAGE CLAMP®; gray

<https://www.wago.com/2706-308>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) – 5 mm

PCB terminal block, 2706 Series, lever

Easily, quickly and safely connect conductors with this PCB terminal block (item number 2706-308). You can count on trusted safety with these PCB terminal blocks, perfect for a host of applications when designing your devices. Strip lengths must be between 11 and 12 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with CAGE CLAMP®, this connector is highly versatile. Our CAGE CLAMP® connection provides a reliable 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 (95 x 30 x 26) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 6 mm².

Tin is used for coating the contact surfaces. 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 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		1000 V	1000 V	1000 V
Rated impulse withstand voltage		8 kV	8 kV	8 kV
Rated current		41 A	41 A	41 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	600 V	-
Rated current		30 A	30 A	-

Connection Data																				
Clamping units	8	Connection 1 <table><tr><td>Connection technology</td><td>CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Lever</td></tr><tr><td>Solid conductor</td><td>0.5 ... 6 mm² / 20 ... 10 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.5 ... 6 mm² / 20 ... 10 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.5 ... 6 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.5 ... 6 mm²</td></tr><tr><td>Strip length</td><td>11 ... 12 mm / 0.43 ... 0.47 inches</td></tr><tr><td>Conductor connection direction to PCB</td><td>30 °</td></tr><tr><td>Pole number</td><td>8</td></tr></table>	Connection technology	CAGE CLAMP®	Actuation type	Lever	Solid conductor	0.5 ... 6 mm² / 20 ... 10 AWG	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	8
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Strip length	11 ... 12 mm / 0.43 ... 0.47 inches																			
Conductor connection direction to PCB	30 °																			
Pole number	8																			
Total number of potentials	8																			
Number of connection types	1																			
Number of levels	1																			

Physical data	
Pin spacing	12.5 mm / 0.492 inches
Width	95 mm / 3.74 inches
Height	30 mm / 1.181 inches
Height from the surface	25.5 mm / 1.004 inches
Depth	26 mm / 1.024 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	1.238 MJ	
Weight	54.9 g	

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

Commercial data		
Product Group	4 (Printed Circuit Connectors)	
PU (SPU)	10 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4050821093503	
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									
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7869									
CSA DEKRA Certification B.V.	C22.2 No. 158	2516072									
UL UL International Germany GmbH	UL 1059	E45172									
		<table><tr><th>Approval</th><th>Standard</th><th>Certificate Name</th></tr><tr><td>EU-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr><tr><td>UK-Declaration of Confor- mity WAGO GmbH & Co. KG</td><td>-</td><td>-</td></tr></table>	Approval	Standard	Certificate Name	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
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UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									



Downloads

Environmental Product Compliance

Compliance Search			
Environmental Product Compliance 2706-308			

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	

CAD/CAE-Data

CAD data	
2D/3D Models 2706-308	

CAE data	
ZUKEN Portal 2706-308	

PCB Design	
Symbol and Footprint via SamacSys 2706-308	
Symbol and Footprint via Ultra Librarian 2706-308	

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.: 216-289 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.: 216-266 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 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

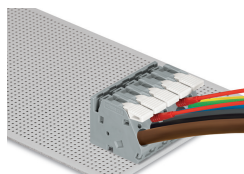


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

Testing



Testing with test plug – 2706 and 2716 Series.