

Data Sheet | Item Number: 2706-312

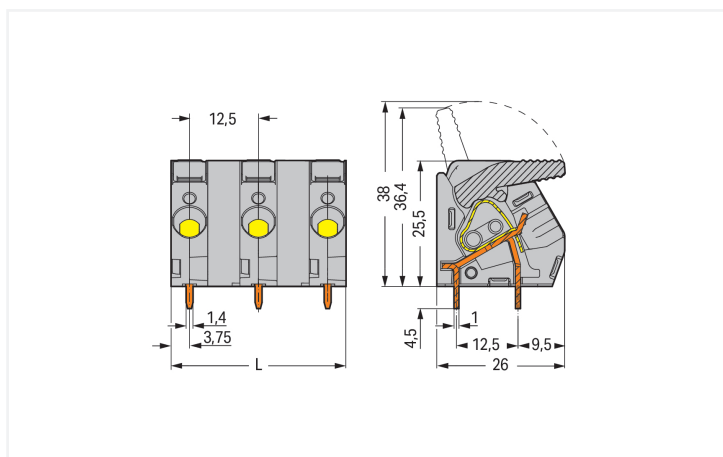
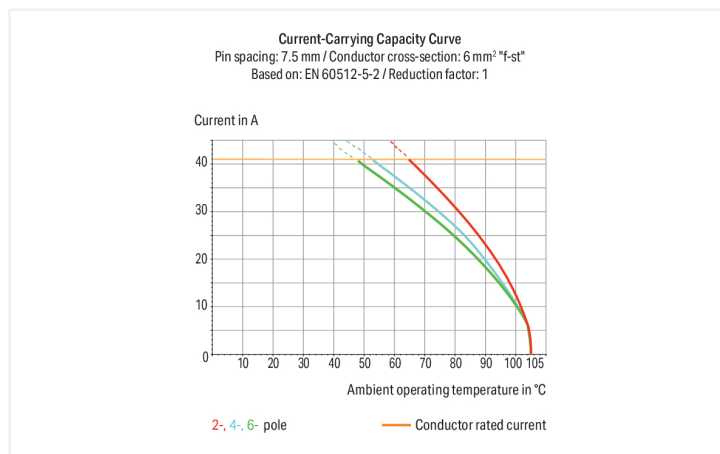
PCB terminal block; lever; 6 mm²; Pin spacing 12.5 mm; 12-pole; CAGE CLAMP®; gray

<https://www.wago.com/2706-312>



Color: ■ gray

Similar to illustration



Dimensions in mm

L = (pole no. x pin spacing) – 5 mm

PCB terminal block, 2706 Series, solder pin dimensions 1 x 1.4 mm

Connect conductors quickly and safely with this PCB terminal block (item number 2706-312). You can count on proven safety with these PCB terminal blocks, perfect for a wide range 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. This product incorporates one conductor terminal and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection provides a convenient 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 item's dimensions are (145 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. This PCB terminal block is operated with a lever. THT is used to solder the PCB terminal block. The conductor is designed to be inserted 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		
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	12
Total number of potentials	12
Number of connection types	1
Number of levels	1

Connection 1	
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	12

Physical data	
Pin spacing	12.5 mm / 0.492 inches
Width	145 mm / 5.709 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
Drilled hole diameter	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	1.521 MJ	
Weight	83.3 g	

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

Commercial data		
Product Group	4 (Printed Circuit Connectors)	
PU (SPU)	5 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4050821093541	
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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EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-									

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2706-312

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 2706-312

↓

CAE data

ZUKEN Portal 2706-312

↓

PCB Design

Symbol and Footprint via SamacSys 2706-312

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Symbol and Footprint via Ultra Librarian 2706-312

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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.: 216-266](#)
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.: 216-267](#)
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.: 216-208](#)
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.: 216-108](#)
Ferrule; Sleeve for 6 mm² / AWG 10; un-insulated; electro-tin plated; silver-colored

1.1.2 Test and measurement

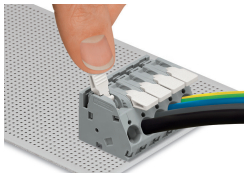
1.1.2.1 Testing accessories



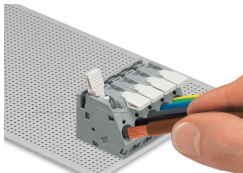
Item No.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

Installation Notes

Conductor termination

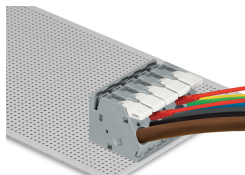


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

Testing



Testing with test plug – 2706 and 2716 Series.