Data Sheet | Item Number: 2706-154

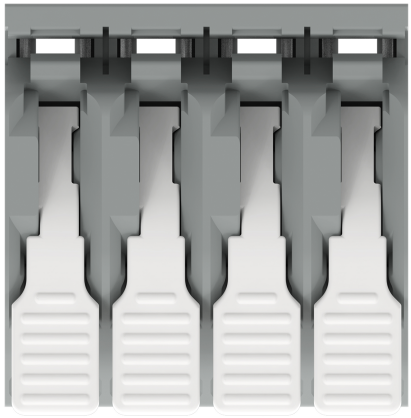
PCB terminal block; lever; 6 mm²; Pin spacing 7.5 mm; 4-pole; CAGE CLAMP®; commoning option; gray

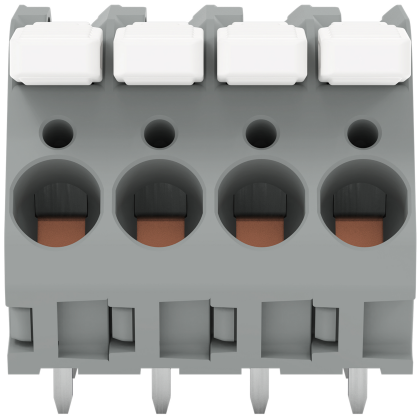
https://www.wago.com/2706-154

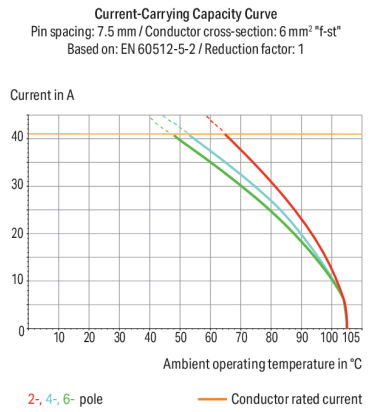


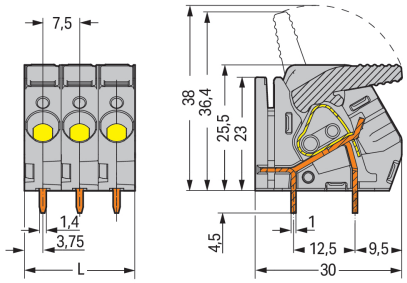


Color: gray









Dimensions in mm
L = pole no. x pin spacing

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

Our PCB terminal block (item number 2706-154) simplifies electrical installations. You can count on proven 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. This product features one conductor terminal and utilizes CAGE CLAMP®. 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. Dimensions: (30 x 30 x 30) 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 into the board at a 30° angle..

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		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	630 V	1000 V
Rated impulse withstand voltage	6 kV	6 kV	6 kV
Rated current	41 A	41 A	41 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	150 V	300 V
Rated current	30 A	30 A	30 A

Connection Data

Clamping units	4
Total number of potentials	4
Number of connection types	1
Number of levels	1
Number of jumper slots	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	4

Physical data

Pin spacing	7.5 mm / 0.295 inches
Width	30 mm / 1.181 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
Drilled hole diameter	1.8 $^{(+0.1)}$ mm

Continued on next page

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	0.371 MJ
Weight	23 g

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	40 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821093138
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
CCA DEKRA Certification B.V.	EN 60947	2143801.01
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7869
CCA DEKRA Certification B.V.	EN 60947-7-4	71-117469

General approvals

CSA DEKRA Certification B.V.	C22.2 No. 158	2516072
UL UL International Germany GmbH	UL 1059	E45172

Continued on next page

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2706-154

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 2706-154

CAE data

ZUKEN Portal 2706-154

PCB Design

Symbol and Footprint via SamacSys 2706-154

Symbol and Footprint via Ultra Librarian 2706-154

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

Continued on next page

1.1.1.1 Ferrule



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; 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

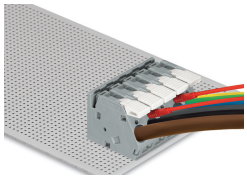


To open the clamping unit, pull the operating lever all the way back — 2706 and 2716 Series.



Inserting/removing a conductor – 2706 and 2716 Series.

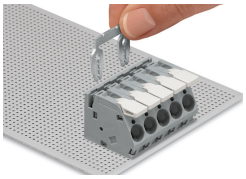
Testing



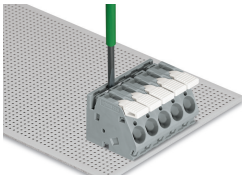
Testing with test plug – 2706 and 2716 Series.

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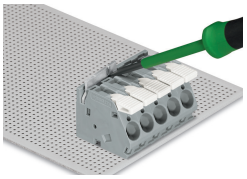
Commoning



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.