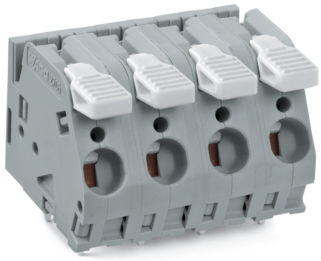
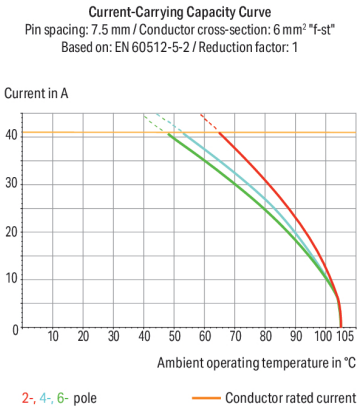
Data Sheet | Item Number: 2706-256

PCB terminal block; lever; 6 mm²; Pin spacing 10 mm; 6-pole; CAGE CLAMP®; commoning option; gray

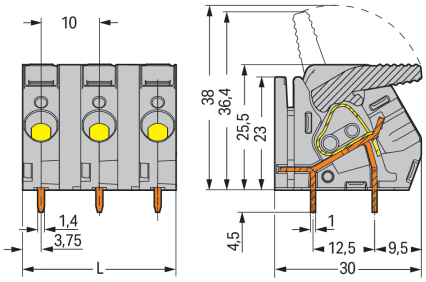
https://www.wago.com/2706-256





Color: gray

Similar to illustration



Dimensions in mm
L = (pole no. x pin spacing) – 2.5 mm

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

This PCB terminal block (item number 2706-256) is designed for quick and simple connections. It is ideal for custom installations with different mounting types. 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 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 dimensions are (57.5 x 30 x 30) mm (width x height x depth). Depending on the type of conductor, 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 assemble the PCB terminal block. Insert the conductor 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	800 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	300 V	600 V
Rated current	30 A	30 A	5 A

Connection Data

Clamping units	6
Total number of potentials	6
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	6

Physical data

Pin spacing	10 mm / 0.394 inches
Width	57.5 mm / 2.264 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

Continued on next page

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	0.865 MJ
Weight	40.1 g

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

Product Group	4 (Printed Circuit Connectors)
PU (SPU)	20 pcs
Packaging type	Box
Country of origin	PL
GTIN	4050821093374
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
CSA DEKRA Certification B.V.	C22.2 No. 158	2516072
UL UL International Germany GmbH	UL 1059	E45172

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	-	-

Continued on next page

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2706-256

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 2706-256

CAE data

ZUKEN Portal 2706-256

PCB Design

Symbol and Footprint via SamacSys 2706-256

Symbol and Footprint via Ultra Librarian 2706-256

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

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1.1.2 Jumper

1.1.2.1 Jumper

Item No.: 745-390
Jumper; 10-way; silver-colored

Item No.: 745-392
Jumper; 2-way; silver-colored

Item No.: 745-391
Jumper; 2-way; unplated; silver-colored

Item No.: 745-393
Jumper; 3-way; silver-colored

Item No.: 745-394
Jumper; 4-way; unplated; silver-colored

Item No.: 745-395
Jumper; 5-way; unplated; silver-colored

1.1.3 Test and measurement

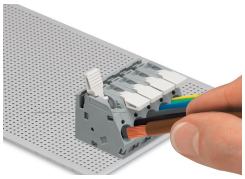
1.1.3.1 Testing accessories

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

Installation Notes

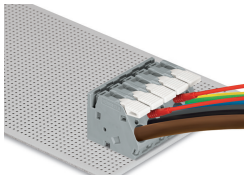
Conductor termination

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.

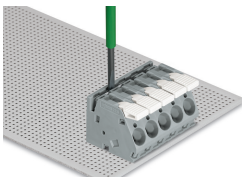
Testing



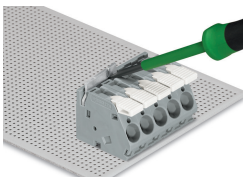
Testing with test plug – 2706 and 2716 Series.

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.