Double-deck PCB terminal block; 2.5 mm²; Pin spacing 5.08 mm; 6-pole; CAGE CLAMP®; 2,50 mm²; orange
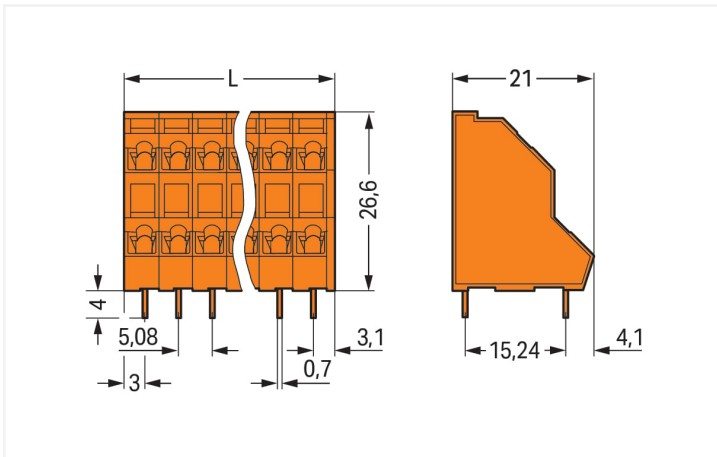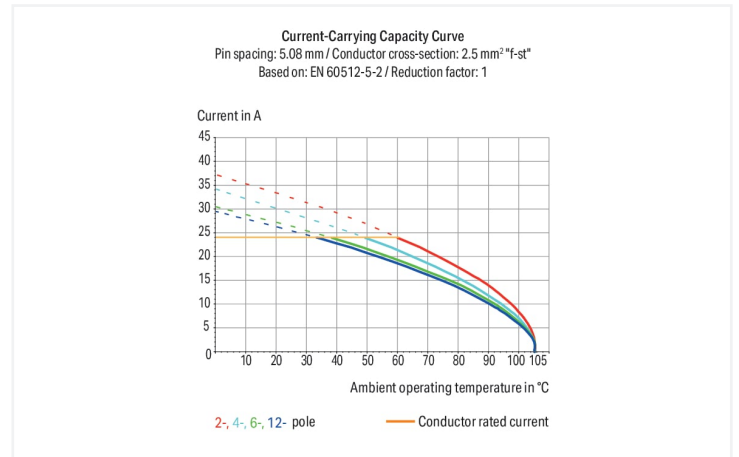
https://www.wago.com/736-303
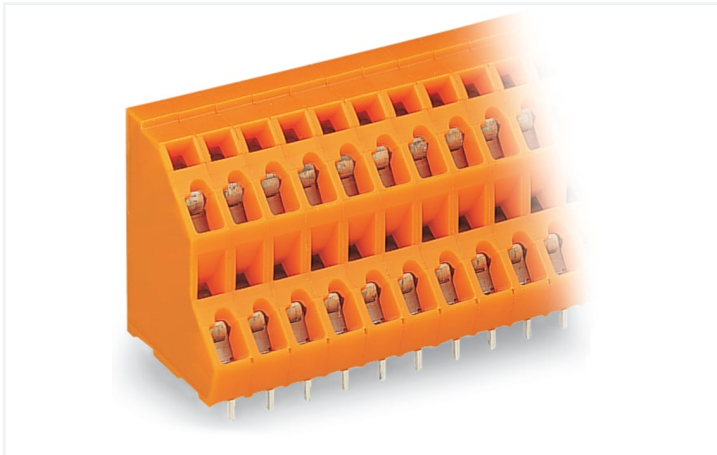
Color: ■ orange

Similar to illustration
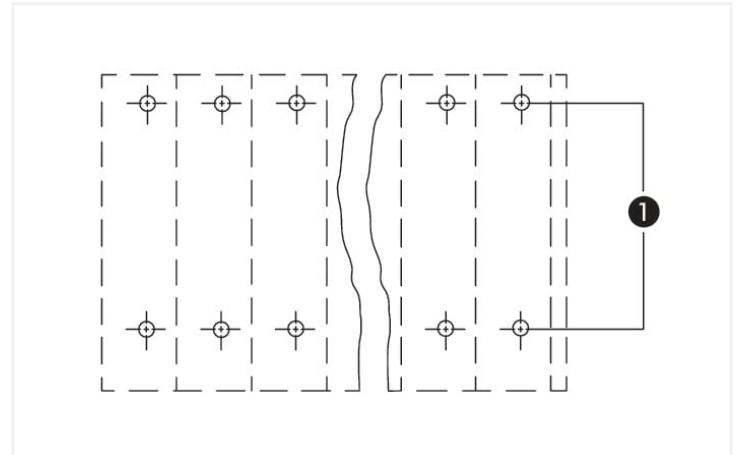
(1) Solder pins in line

Dimensions in mm

L = ((pole no. / 2) x pin spacing) + 1.1 mm

PCB terminal block, 736 Series, 45 °conductor entry to board

This PCB terminal block (item number 736-303) is designed to connect conductors quickly and easily. It is a universal connector that can be used practically anywhere, e.g., as a pluggable PCB connector, panel feedthrough header, connector for rail-mount terminal blocks, or a floating connector for different mounting methods. This PCB terminal block has a rated voltage of 320 V and can handle currents up to 21 A, making it ideal for high-load applications. Conductors can only be connected to this PCB terminal block if their strip length is between 5 mm and 6 mm. This product features one conductor terminal and utilizes CAGE CLAMP®. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all types of conductors without having to prepare the conductor. For example, you don't need to crimp ferrules. The item's dimensions are 16.34 x 30.6 x 21 mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is designed for conductor cross sections ranging from 0.08 mm² to 2.5 mm². It has two levels. Six potentials can connect six poles using the six clamping points The contacts are made of electrolytic copper (ECu), the clamping spring is made of chrome-nickel spring steel (CrNi), and the orange housing is made of polyamide (PA66) for insulation. The contact surface is coated with tin. This PCB terminal block is operated with an operating tool. THT is used to solder the PCB terminal block. The conductor is designed to be inserted into the board at a 45° angle.. The solder pins measure 0.7 x 0.7 mm in cross-section and 4 mm in length and are laid out within the terminal block (in-line). There are one solder pin per potential.

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	between the modules		
Ratings per	IEC/EN 60664-1	IEC/EN 60664-1	IEC/EN 60664-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	21 A	21 A	21 A

Ratings	between the decks		
Ratings per	IEC/EN 60664-1	IEC/EN 60664-1	IEC/EN 60664-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	320 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	21 A	21 A	21 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Approvals per	CSA		
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Connection data

Clamping units	6
Total number of potentials	6
Number of connection types	1
Number of levels	2

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm²
Note (conductor cross-section)	12 AWG: THHN, THWN
Strip length	5 … 6 mm / 0.2 … 0.24 inches
Conductor connection direction to PCB	45 °
Pole number	6

Physical data

Pin spacing	5.08 mm / 0.2 inches
Width	16.34 mm / 0.643 inches
Height	30.6 mm / 1.201 inches
Height from the surface	26.6 mm / 1.043 inches
Depth	21 mm / 0.827 inches
Solder pin length	4 mm
Solder pin dimensions	0.7 x 0.7 mm
Drilled hole diameter with tolerance	1.3 (+0.1) mm

PCB contact

PCB contact	THT
Solder pin arrangement	within the terminal block (in-line)
Number of solder pins per potential	1

Material data

Note (material data)	
	Information on material specifications can be found here
Color	orange
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	0.114 MJ
Weight	7.2 g

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

Product Group	4 (Printed Circuit Connectors)
eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 9.0	EC002643
ETIM 8.0	EC002643
PU (SPU)	112 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918914017
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	2160584.37
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7143
CCA DEKRA Certification B.V.	IEC 60947-7-4	NTR NL-7814
CSA DEKRA Certification B.V.	C22.2 No. 158	70049157
UR Underwriters Laboratories Inc.	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	-	-

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	19-HG1869876-PDA
BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 736-303	↓

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓
Gebrückte Klemmenleisten für Leiterplatten		pdf 303.71 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models 736-303	↓

CAE data

EPLAN Data Portal 736-303	↓
ZUKEN Portal 736-303	↓

PCB Design

Symbol and Footprint via SamacSys 736-303	↓
Symbol and Footprint via Ultra Librarian 736-303	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

Item No.: 216-301	Item No.: 216-321	Item No.: 216-151	Item No.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated	Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored
Item No.: 216-302	**Item No.: 216-322**	**Item No.: 216-132**	**Item No.: 216-152**
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated	Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated
Item No.: 216-201	**Item No.: 216-241**	**Item No.: 216-221**	**Item No.: 216-141**
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white	Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
Item No.: 216-101	**Item No.: 216-121**	**Item No.: 216-242**	**Item No.: 216-262**
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored	Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored	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	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.: 216-202	**Item No.: 216-222**	**Item No.: 216-142**	**Item No.: 216-102**
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored
Item No.: 216-122	**Item No.: 216-243**	**Item No.: 216-263**	**Item No.: 216-203**
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored	Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red
Item No.: 216-223	**Item No.: 216-103**	**Item No.: 216-143**	**Item No.: 216-123**
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored
Item No.: 216-204	**Item No.: 216-224**	**Item No.: 216-244**	**Item No.: 216-264**
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	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	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	**Item No.: 216-124**	**Item No.: 216-144**	**Item No.: 216-104**
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	Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated	Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored	Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored

1.1.1.1 Ferrule

Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored

1.1.2 Marking

1.1.2.1 Marking strip

Item No.: 210-332/508-202
Marking strips; as a DIN A4 sheet; MAR-KED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/508-205
Marking strips; as a DIN A4 sheet; MAR-KED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/508-204
Marking strips; as a DIN A4 sheet; MAR-KED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Item No.: 210-332/508-206
Marking strips; as a DIN A4 sheet; MAR-KED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.1.3 Test and measurement

1.1.3.1 Testing accessories

Item No.: 231-426
Testing plug module with contact stud; orange

Item No.: 231-455
Testing plug module with contact stud; Pin spacing 5.08 mm / 0.2 in; 2,50 mm²; orange

1.1.4 Tool

1.1.4.1 Operating tool

Item No.: 210-658
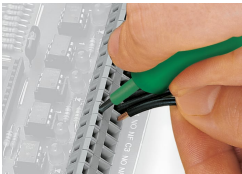Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; angled; short; multicoloured

Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Item No.: 210-657
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured
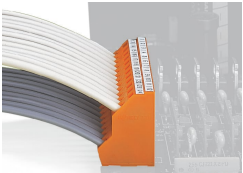
Installation Notes

Conductor termination

Inserting a conductor via 3.5 mm screwdriver.
Screwdriver actuation parallel to conductor entry

Version 14.02.2025

Installation

Low space requirements due to high-density design
Double-deck PCB terminal strip – 736 Series

Possible combination:
Double- (736 Series) and triple-deck PCB terminal strips (737 Series) upon request

Possible combination:
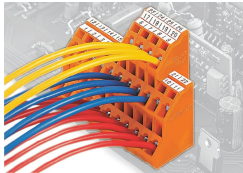Double- (736 Series) and triple-deck PCB terminal strips (737 Series) upon request

Possible combination:
Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request
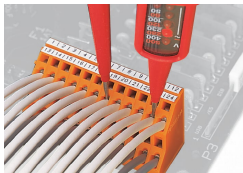

Possible combination:
Double- (737 Series) and quadruple-deck PCB terminal strips (738 Series) upon request

Marking

Testing

Testing via contact area above the conductors.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at:: www.wago.com