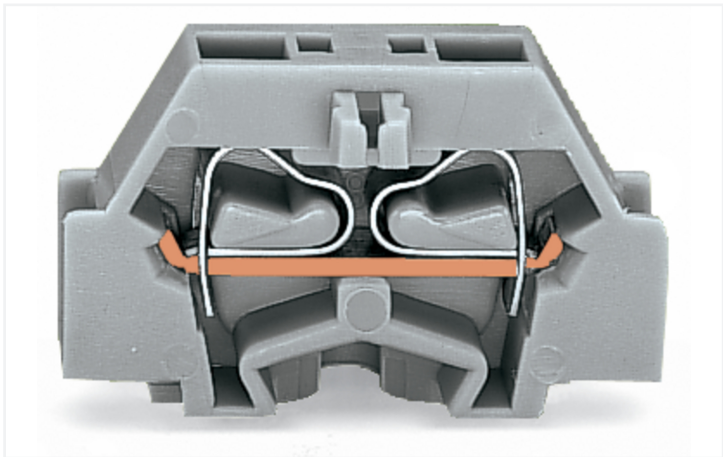


Data Sheet | Item Number: 261-301

2-conductor terminal block; without push-buttons; with fixing flange; 1-pole; for screw or similar mounting types; Fixing hole 3.2 mm Ø; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray
<https://www.wago.com/261-301>



Color: ■ gray

Through terminal block, 261 Series, operating tool

Our through terminal block (item number 261-301) simplifies electrical installations. Strip lengths must be between 8 and 9 mm when connecting conductors to this through terminal block. Whether in industrial or building applications, our rail-mount through terminal blocks are the perfect solution to quickly and securely connect electrical conductors. Depending on the variant, you can use them for either typical through-wiring or potential distribution. Featuring conductor terminals along with CAGE CLAMP®, this product is highly versatile. 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 dimensions are (6 x 28 x 18) mm (width x height x depth). Depending on the conductor type, this through terminal block is ideal for conductor cross sections ranging from 0.08 mm² to 2.5 mm².

CAGE CLAMP® – the industry standard for connection technology

This mini rail-mount terminal block is operated with an operating tool.

- Compact sizes
- Actuation via operating tool
- Safe and fast installation

Electrical data				
Ratings per IEC/EN		Approvals per		
		UL 1059		
Nominal voltage (III/3)	500 V	Use group	B	C D
Rated impulse withstand voltage (III / 3)	6 kV	Rated voltage	300 V	300 V 600 V
Rated current	24 A	Rated current	15 A	15 A 5 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3			

Approvals per		CSA 22.2 No 158		
Use group	B	C	D	
Rated voltage	-	300 V	600 V	
Rated current	-	10 A	5 A	

General information	
Wiring direction	Side-entry wiring



Connection Data																		
Clamping units	2	<div>Connection 1</div> <table><tr><td>Connection technology</td><td>CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Connectable conductor materials</td><td>Copper</td></tr><tr><td>Solid conductor</td><td>0.08 ... 2.5 mm² / 28 ... 14 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.08 ... 2.5 mm² / 28 ... 14 AWG</td></tr><tr><td>Strip length</td><td>8 ... 9 mm / 0.31 ... 0.35 inches</td></tr><tr><td>Pole number</td><td>1</td></tr><tr><td>Wiring direction</td><td>Side-entry wiring</td></tr></table>	Connection technology	CAGE CLAMP®	Actuation type	Operating tool	Connectable conductor materials	Copper	Solid conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG	Strip length	8 ... 9 mm / 0.31 ... 0.35 inches	Pole number	1	Wiring direction	Side-entry wiring
Connection technology	CAGE CLAMP®																	
Actuation type	Operating tool																	
Connectable conductor materials	Copper																	
Solid conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG																	
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 14 AWG																	
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches																	
Pole number	1																	
Wiring direction	Side-entry wiring																	
Total number of potentials	1																	
Number of levels	1																	
Physical data																		
Width	6 mm / 0.236 inches																	
Height	28 mm / 1.102 inches																	
Depth	18 mm / 0.709 inches																	
Mechanical data																		
Design	horizontal type																	
Mounting type	Mounting flange																	
Marking level	Side marking																	
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																	
Fire load	0.037 MJ																	
Halogen-free	Yes																	
Weight	2.3 g																	
Environmental requirements																		
Environmental Testing		Environmental Testing																
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06	Simulated service life test through in- creased levels of noise-like oscillations	Test passed according to Section 9 of the standard															
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04	Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz															
Spectrum/Mounting location	Service life test, Category 1, Class A/B	Acceleration	0.572g (highest test level used for all axes)															
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard	Test duration per axis	5 h															
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz	Test directions	X, Y and Z axes															
Acceleration	0.101g (highest test level used for all axes)	Extended testing: Monitoring of contact faults and interruptions	Passed															
Test duration per axis	10 min.	Extended testing: Voltage drop measure- ment before and after each axis	Passed															
Test directions	X, Y and Z axes	Shock test	Test passed according to Section 10 of the standard															
Monitoring of contact faults and interrup- tions	Passed	Shock pulse form	Half sine															
Voltage drop measurement before and after each axis	Passed	Acceleration	5g (highest test level used for all axes)															
		Shock duration	30 ms															
		Number of shocks (per axis)	3 pos. und 3 neg.															
		Test directions	X, Y and Z axes															
		Extended testing: Monitoring of contact faults and interruptions	Passed															



Environmental Testing		
Extended testing: Voltage drop measurement before and after each axis	Passed	
Vibration and shock stress for rolling stock equipment	Passed	

Commercial data		
Product Group	9 (Std Chassis Mt Blocks)	
PU (SPU)	200 (50) pcs	
Packaging type	Box	
Country of origin	CH	
GTIN	4044918611183	
Customs tariff number	85369010000	

Product Classification		
UNSPSC	39121409	
eCl@ss 10.0	27-14-11-06	
eCl@ss 9.0	27-14-11-06	
ETIM 9.0	EC001284	
ETIM 10.0	EC001284	
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 60998	NTR-NL 6509
KEMA/KEUR DEKRA Certification B.V.	EN 60998	2110272.02
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	-	-
Railway WAGO GmbH & Co. KG	-	Z00004413.000
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications		
Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	24-0095979-PDA
BV Bureau Veritas S.A.	EN 60947	07436/G0 BV
DNV DNV GL SE	-	TAE00001V2
LR Lloyds Register	IEC 60998	LR22173030TA

Approvals for marine applications		
PRS Polski Rejestr Statków	-	TE/1094/880590/23

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 261-301

↓

Documentation			
Bid Text			
261-301	19.02.2019	xml 3.23 KB	↓
261-301	22.06.2017	doc 24.50 KB	↓

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 261-301	EPLAN Data Portal 261-301
↓	↓
	WSCAD Universe 261-301
	↓
	ZUKEN Portal 261-301
	↓

1 Compatible Products

1.1 Required Accessories

1.1.1 End plate

1.1.1.1 End plate



Item No.: 261-361

End plate; with fixing flange; gray

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule



Item No.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-131

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored



Item No.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise



Item No.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-101

Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored



Item No.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-102

Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; silver-colored



Item No.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



1.2.1.1 Ferrule



Item No.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated



Item No.: 216-204
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored



Item No.: 216-205
Ferrule; Sleeve for 2.08 mm² / AWG 14; insulated; electro-tin plated; yellow



Item No.: 216-206
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 209-137
Mounting adapter; can be used as end stop; 6.5 mm wide; gray



Item No.: 209-123
Mounting foot with screw; can be screwed on terminal blocks with fixing flange; 6.4 mm wide; gray

1.2.3 Jumper

1.2.3.1 Jumper



Item No.: 261-402
Jumper; for conductor entry; 2-way; insulated; gray

1.2.4 Marking

1.2.4.1 Marking strip



Item No.: 210-833
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white

1.2.5 Test and measurement

1.2.5.1 Testing accessories



Item No.: 261-404
Test plug module; with locking latches; modular; for 2-conductor terminal blocks; for 261 Series; gray



Item No.: 249-136
Test plug module; without locking device; modular; for 2-conductor terminal blocks; gray

1.2.6 Tool

1.2.6.1 Operating tool



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



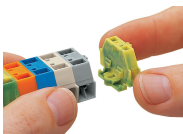
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



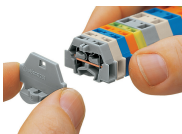
Item No.: 210-657
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

Installation Notes

Installation

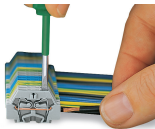


Assembling modular terminal blocks into terminal strips.



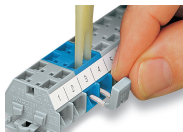
Mounting an end plate.

Conductor termination

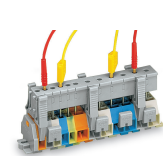


CAGE CLAMP® connection
Inserting a conductor.
With ferruled conductors, it is necessary to use a terminal block one size larger than the conductor's nominal cross-section.

Commoning

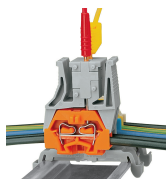


Commoning with comb-style jumper bar.



Testing via test plug modules snapped onto a terminal strip – wired or unwired. As touch contact is made with the CAGE CLAMP® (spring steel) unit, this testing type is limited to maximum 0.5 A.

Distance between locking devices must be approximately 35 ... 40 mm!



Testing after the conductors have been terminated.

Marking



Marking with self-adhesive marking strips.

Marking by direct printing (upon request).