

Data sheet | Item number: 769-251

2-conductor/1-pin carrier terminal block; 4 mm²; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm²; gray



www.wago.com/769-251



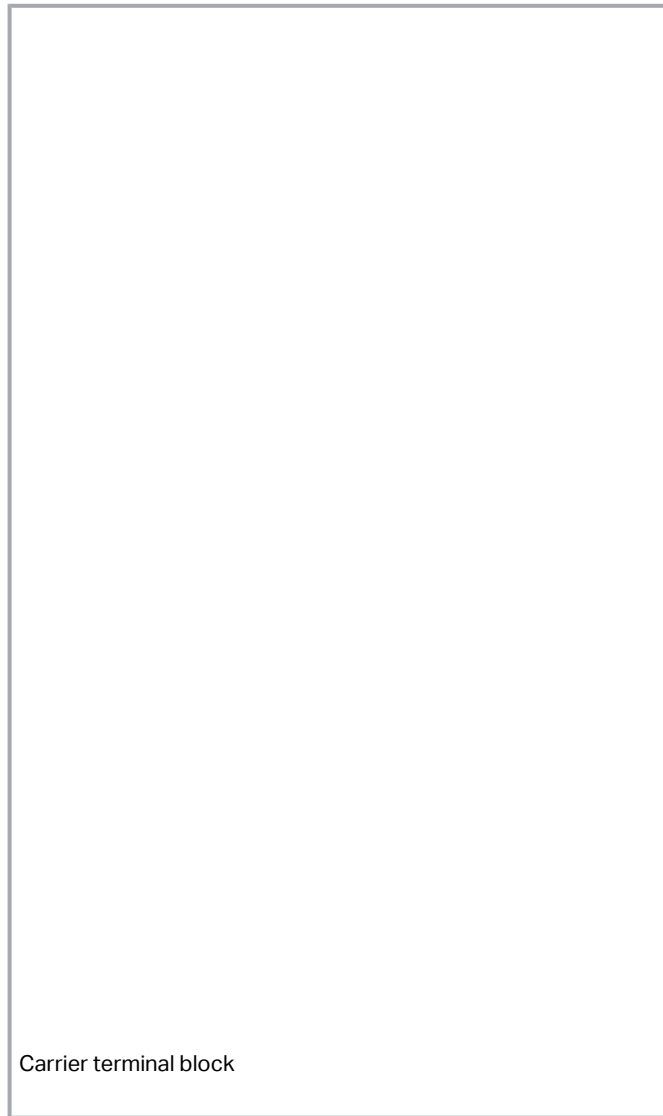
Color:



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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated current	32 A
Legend (ratings)	(III / 3) $\hat{=}$ Overvoltage category III / Pollution degree 3

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Power Loss

Power loss, per pole (potential)	1.024 W
Rated current I_N for specified power loss	32 A
Resistance value for specified, current-dependent power loss	0.001 Ω

Connection data

Connection points	2
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Number of connection points	2
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	4 mm ² / 12 AWG
Solid conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Wiring direction	Front-entry wiring

Connection 2

Number of connection points 2	1
-------------------------------	---

Physical data

Width	5 mm / 0.197 inches
Height	69 mm / 2.717 inches
Depth from upper-edge of DIN-rail	28.5 mm / 1.122 inches

Mechanical Data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center marking

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



Material Data

Note (material data)

Information on material specifications can be found here

Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.134 MJ
Weight	7.8 g

Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

Commercial data

Product Group	18 (X-COM-System)
eCl@ss 10.0	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	50 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918554770
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626
	CSA	C22.2	1101144

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

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



CSA Group			
KEMA/KEUR DEKRA Certification B.V.	EN 60947		2190419.01
UL Underwriters Laboratories Inc.	UL 1977		E 45171
UR Underwriters Laboratories Inc.	UL 1059		E45172

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20- HG1941090- PDA
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

Counterpart

Item no.769-101/022-000 1-conductor female connector, angled; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; gray	www.wago.com/769-101/022-000
Item no.769-121 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; gray	www.wago.com/769-121
Item no.769-101 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 1-pole; coding finger; 4,00 mm²; gray	www.wago.com/769-101

Required accessories

End plate

End plate	
Item no.: 769-320 End and intermediate plate; 1.1 mm thick; gray	www.wago.com/769-320

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

Item no.: 769-321

End and intermediate plate; 1.1 mm thick; orange

www.wago.com/769-321

Optional accessories

Insulation stop

Insulation stop

Item no.: 769-470

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; whitewww.wago.com/769-470

Item no.: 769-471

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light graywww.wago.com/769-471

Item no.: 769-472

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark graywww.wago.com/769-472

Push-in type wire jumper

Jumper

Item no.: 249-123

Push-in type wire jumper; 0.75 mm²; insulated; 180 mm long; blackwww.wago.com/249-123

Item no.: 249-126

Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; blackwww.wago.com/249-126

Item no.: 249-127

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; blackwww.wago.com/249-127

Item no.: 249-125

Push-in type wire jumper; insulated; 60 mm long; black

www.wago.com/249-125

Ferrule

Ferrule

Item no.: 216-101

Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-101

Item no.: 216-104

Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-104

Item no.: 216-102

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-coloredwww.wago.com/216-102

Item no.: 216-103

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin platedwww.wago.com/216-103

Item no.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; redwww.wago.com/216-203

Item no.: 216-206

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; bluewww.wago.com/216-206

Item no.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; graywww.wago.com/216-202

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	www.wago.com/216-302
Mounting	
Mounting accessories	
Item no.: 209-106 Mounting carrier; for isolated mounting on DIN 35 rails; gray	www.wago.com/209-106
Item no.: 249-116 Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray	www.wago.com/249-116
Protective warning marker	
Cover	
Item no.: 280-415 Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow	www.wago.com/280-415
Coding	
Coding	
Item no.: 769-435 Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange	www.wago.com/769-435
Cover	
Cover	
Item no.: 769-438 Pin cover; with marker slot for miniature WSB; gray	www.wago.com/769-438
Item no.: 769-439 Pin cover; with marker slot for miniature WSB; orange	www.wago.com/769-439
Jumpers	
Jumper	
Item no.: 280-402 Jumper; insulated; gray	www.wago.com/280-402
Item no.: 280-409 Jumper; insulated; gray	www.wago.com/280-409
Item no.: 780-454 Staggered jumper; from 1 to 4; insulated; gray	www.wago.com/780-454
Item no.: 780-452 Staggered jumper; from 1 to 2; insulated; gray	www.wago.com/780-452

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



Item no.: 780-453 Staggered jumper; from 1 to 3; insulated; gray	www.wago.com/780-453
Item no.: 780-457 Staggered jumper; from 1 to 7; insulated; gray	www.wago.com/780-457
Item no.: 780-456 Staggered jumper; from 1 to 6; insulated; gray	www.wago.com/780-456
Item no.: 780-455 Staggered jumper; from 1 to 5; insulated; gray	www.wago.com/780-455
Item no.: 780-458 Staggered jumper; from 1 to 8; insulated; gray	www.wago.com/780-458
Carrier rail	
Mounting accessories	
Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/210-197
Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-504
Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-505
Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-506
Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-508
Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114
Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	www.wago.com/210-115

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

**Item no.: 210-196**www.wago.com/210-196

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

Testing and measuring

Testing accessories

Item no.: 210-136www.wago.com/210-136

Test plug; 2 mm Ø; with 500 mm cable; red

Item no.: 280-418www.wago.com/280-418

Test plug module; modular; suitable for all WAGO 280 and 780 Series rail-mounted terminal blocks with jumper slots in the current bar; gray

Item no.: 280-404www.wago.com/280-404Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm² - 4 mm² tbs; gray**Item no.: 280-419**www.wago.com/280-419

Spacer module; modular; bridging commoned terminal blocks; gray

Tool

Operating tool

Item no.: 210-720www.wago.com/210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Marking accessories

Marker

Item no.: 2009-145www.wago.com/2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item no.: 248-501www.wago.com/248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

Downloads**Documentation****Bid Text**

769-251 X81 - Datei	2019 年2月19 日	xml 3.3 kB	Download
769-251 doc - Datei	2017 年10月2 日	doc 25.6 kB	Download

Additional Informationpdf
2.2 MB
Download

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.

CAD/CAE-Data

CAD data

2D/3D Models 769-251	URL	Download
----------------------	---------------------	--------------------------

CAE data

EPLAN Data Portal 769-251	URL	Download
---------------------------	---------------------	--------------------------

WSCAD Universe 769-251	URL	Download
------------------------	---------------------	--------------------------

ZUKEN Portal 769-251	URL	Download
----------------------	---------------------	--------------------------

Environmental Product Compliance

Compliance Search

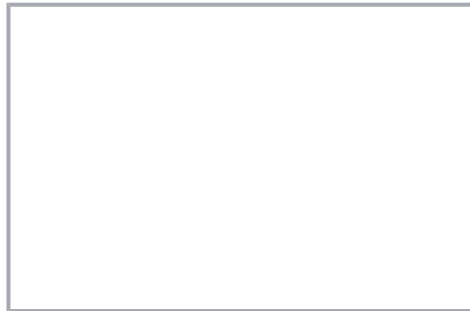
Environmental Product Compliance 769-251 2-conductor/1-pin carrier terminal block; 4 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; CAGE CLAMP®; 4,00 mm ² ; gray	URL	Download
--	---------------------	--------------------------

Installation Notes

Installation



Snap individual carrier terminal blocks onto the DIN-rail and slide together.



Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.

Conductor termination

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



CAGE CLAMP® connection

Carrier terminal block: Insert/remove conductor via operating tool (3.5 x 0.5 mm blade).

Commoning

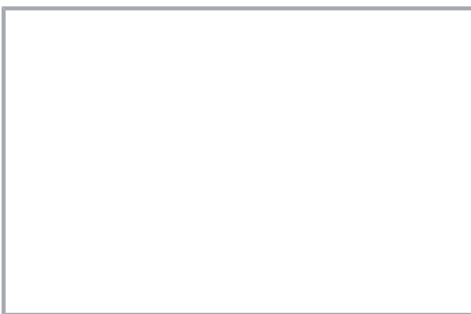


Commoning with adjacent or staggered jumpers.

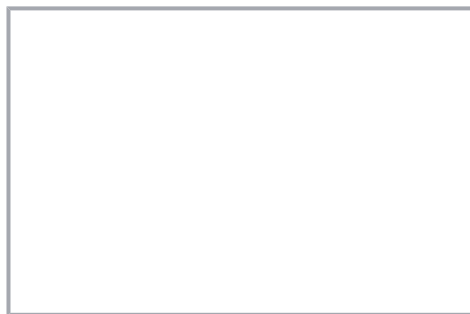
Push jumpers down until fully inserted.



Commoning carrier terminal blocks via staggered jumpers.



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.



Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.

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



Commoning "supply terminal blocks" (up to 10 mm²/8 AWG) with carrier terminal blocks via step-down jumpers.

Coding



Snap coding pin in proper direction on carrier terminal block.

Shown: Coding pin removal from carrier terminal block.

Locking system



Securing a female plug via locking lever on the terminal block side.

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



Carrier terminal block



1-conductor female plug

Carrier terminal blocks can be commoned via 280 and 780 Series Jumpers and tested using a test plug adapter (280-4..).

Product family

X-COM

[Show all products from the family](#)

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