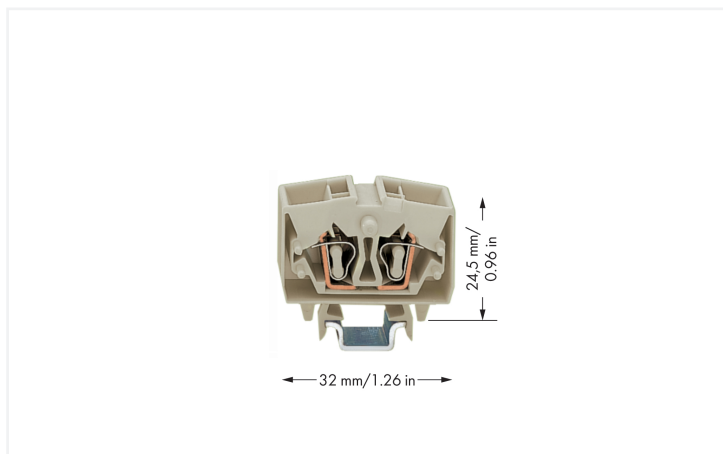


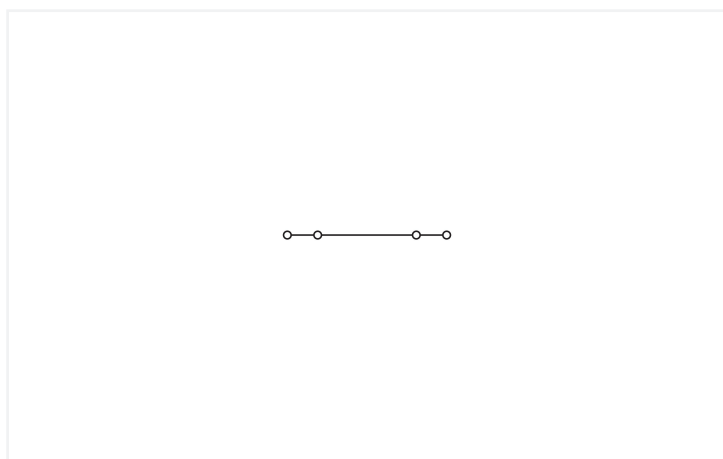
Data Sheet | Item Number: 264-220

4-conductor miniature through terminal block; 2.5 mm²; with test option; suitable for Ex e II applications; center marking; for DIN-15 rail; CAGE CLAMP®; 2,50 mm²; light gray

<https://www.wago.com/264-220>



Color: ■ light gray



Similar to illustration

Through terminal block, 264 Series, light gray

Connecting conductors is quick and easy with this through terminal block (item number 264-220). Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this through terminal block. Our mini rail-mount terminal blocks are perfect for working in small spaces thanks to their compact design. With various mounting and actuation options, they offer complete flexibility. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a dependable 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 (13 x 32 x 28.5) mm (width x height x depth). Depending on the type of conductor, this through terminal block is suitable for conductor cross sections ranging from 0.5 mm² to 2.5 mm².

An operating tool is used to operate this mini rail-mount terminal block.

Electrical data		
Ex information		Power Loss
Reference to hazardous areas	See application instructions in section "Knowledge and Downloads – Documentation – Additional Information: Technical Section; Technical Explications"	Power loss, per pole (potential)0.7036 W
		Rated current I _N for power loss specification23 A
		Resistance value for specified, current-dependent power loss0.00133 Ω
Rated voltage EN (Ex e II)	690 V	
Rated current (Ex e II)	23 A	
General information		
Wiring direction	Front-entry wiring	

Connection Data		
Clamping units	4	Connection 1
Total number of potentials	1	Connection technologyCAGE CLAMP®
Number of levels	1	Actuation typeOperating tool
		Connectable conductor materialsCopper
		Solid conductor0.5 ... 2.5 mm² / 20 ... 12 AWG
		Fine-stranded conductor0.08 ... 2.5 mm² / 28 ... 12 AWG
		Note (conductor cross-section)12 AWG: THHN, THWN
		Strip length8 ... 9 mm / 0.31 ... 0.35 inches
		Wiring directionFront-entry wiring

Physical data		
Width	13 mm / 0.512 inches	
Height	32 mm / 1.26 inches	
Depth from upper-edge of DIN-rail	24.5 mm / 0.965 inches	
Depth	28.5 mm / 1.331 inches	

Mechanical data		
Design	horizontal type	
Mounting type	DIN-15 rail	
Marking level	Center marking	

Material data		
Note (material data)	Information on material specifications can be found here	
Color	light gray	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Fire load	0.095 MJ	
Weight	6 g	



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

Commercial data	
Product Group	9 (Std Chassis Mt Blocks)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	CH
GTIN	4044918414470
Customs tariff number	85369010000

Product Classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-20
ETIM 9.0	EC000897
ETIM 10.0	EC000897
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates	
General approvals	Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7077
CSA DEKRA Certification B.V.	C22.2	70010891
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2160584.02

Approval	Standard	Certificate Name
ATEX-Attestation of Confor- mity WAGO GmbH & Co. KG	-	-
EU-Declaration of Conformi- ty WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformi- ty WAGO GmbH & Co. KG	-	-



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	24-0095979-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2
LR Lloyds Register	IEC 60998	LR22173030TA
PRS Polski Rejestr Statków	-	TE/1094/880590/23



Approval	Standard	Certificate Name
AEx UL International Germany GmbH c/o Physikalisch Technische Bundesanstalt	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX Physikalisch Technische Bundesanstalt (PTB)	EN 60079	PTB 98 ATEX 3129 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)
CCC CQST/CNEx	GB/T 3836.3	2020312313000187 (Ex eb IIC Gb, Ex eb I Mb)
IECEX Physikalisch Technische Bundesanstalt (PTB)	IEC 60079	IECEX PTB 04.0003U (Ex e IIC Gb and Ex eb I Mb)

Approvals for hazardous areas		
INMETRO	IEC 60079	TÜV 12.1299 U
TÜV Rheinland do Brasil Lt-da.		

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 264-220	

Documentation			
Bid Text			
264-220	19.02.2019	xml 3.36 KB	
264-220	30.05.2017	doc 24.50 KB	

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 264-220 	EPLAN Data Portal 264-220 
	WSCAD Universe 264-220 
	ZUKEN Portal 264-220 

1 Compatible Products
1.1 Required Accessories
1.1.1 End plate
1.1.1.1 End plate



Item No.: 264-370
End and intermediate plate; 4 mm thick; light gray



1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories



Item No.: 210-111
Steel carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; silver-colored



Item No.: 210-295
Steel carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

1.2.2 End plate

1.2.2.1 End plate



Item No.: 264-367
Separator for Ex e/Ex i applications; 4 mm thick; 66 mm wide; orange

1.2.3 Ferrule

1.2.3.1 Ferrule



Item No.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored



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



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

1.2.4 Installation

1.2.4.1 Cover



Item No.: 709-153
Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

1.2.4.2 Cover carrier



Item No.: 709-167
Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

1.2.4.3 Mounting accessories



Item No.: 249-101
Screwless end stop; 6 mm wide; for WMB markers; gray

1.2.5 Jumper

1.2.5.1 Jumper



Item No.: 280-492
Jumper; 2-way; insulated; gray



Item No.: 264-402
Jumper; for conductor entry; 2-way; insulated; gray

1.2.6 Marking

1.2.6.1 Marker



Item No.: 2009-145/000-006
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue



Item No.: 2009-145/000-007
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray



Item No.: 2009-145/000-023
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green



Item No.: 2009-145/000-012
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange



Item No.: 2009-145/000-005
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red



Item No.: 2009-145/000-024
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet



Item No.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 2009-145/000-002
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow



Item No.: 248-501/000-006
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue



Item No.: 248-501/000-007
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray



Item No.: 248-501/000-023
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green



Item No.: 248-501/000-017
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green



Item No.: 248-501/000-012
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange



Item No.: 248-501/000-005
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red



Item No.: 248-501/000-024
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet



Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 248-501/000-002
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

1.2.7 Tool

1.2.7.1 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; multi-coloured



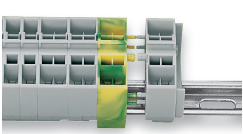
Item No.: 209-130
Operating tool; made of insulating material; 1-way; for 264 Series (1-/2-way), 280, 281 Series (up to 3-way); natural



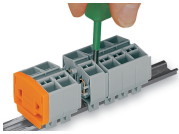
Item No.: 280-432
Operating tool; made of insulating material; 2-way; white

Installation Notes

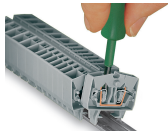
Installation



Quick assembly keys prevent reverse mounting.

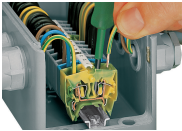


Separate terminal strip and slide individual terminal block laterally.



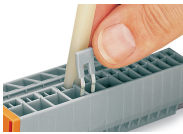
Remove terminal block from the DIN-rail with a levering action.

Conductor termination



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

Commoning



Commoning with comb-style jumper bar.

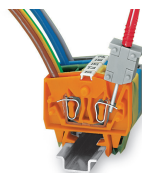


Commoning with comb-style jumper bar.

Testing



Testing by touch contact to the CAGE CLAMP® spring (limited to 0.5 A and 48 V test voltage) – test pins are not protected against accidental contact.



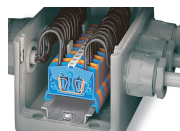
Testing via CAGE CLAMP® on the current bar (max. nominal current: 6 A). CAGE CLAMP® clamps individual test contacts. The maximum test voltage is 400 V.



Separating groups via intermediate plates.

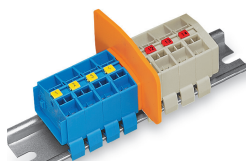


Combining 2- and 4-conductor terminal blocks.



Application
Easy-to-use miniature blocks that require minimal enclosure space.

Ex application

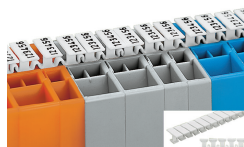


Ex e/Ex i separator plate for miniature rail-mount terminal blocks

Marking



Marking via Mini-WSB Quick Marking System.



Marking with T-marker tag (209-290).