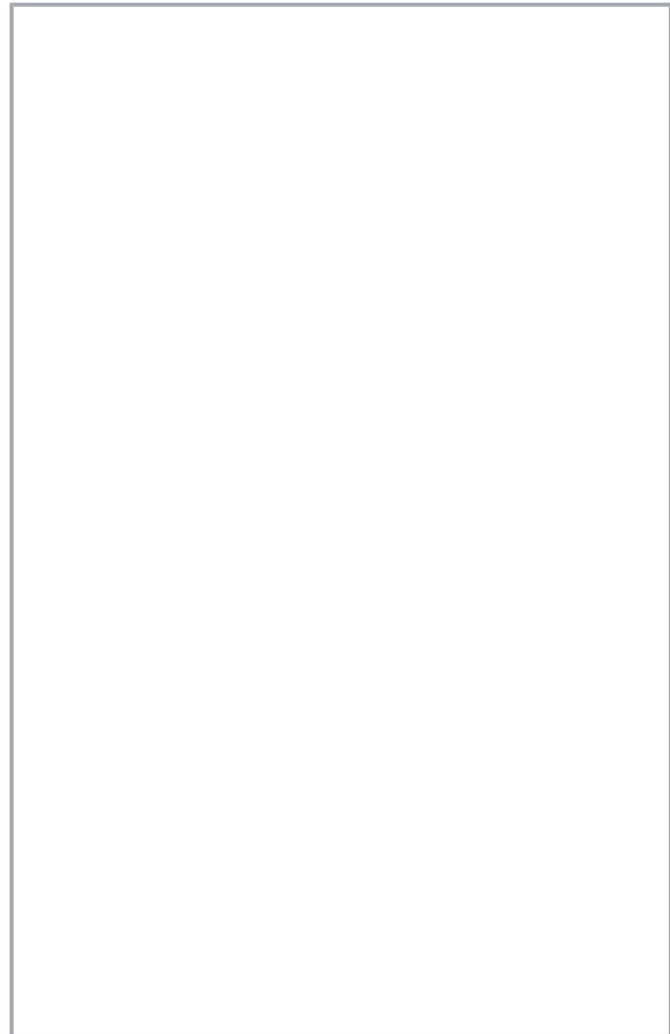


Data sheet | Item number: 264-231

4-conductor center terminal block; without push-buttons; suitable for Ex e II applications; 1-pole; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; light gray



www.wago.com/264-231



Color:

Data

Electrical data

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

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

Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"
Rated voltage EN (Ex e II)	690 V
Rated current (Ex e II)	23 A

Connection data

Connection points	4
Total number of potentials	1
Number of levels	1

Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Note (conductor cross-section)	12 AWG: THHN, THWN
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Wiring direction	Front-entry wiring

Physical data

Width	10 mm / 0.394 inches
Height from the surface	22.1 mm / 0.87 inches
Depth	32 mm / 1.26 inches

Mechanical Data

Design	horizontal type
Mounting type	none
Marking level	Center marking

Material Data

Note (material data)	Information on material specifications can be found here
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Subject to changes. Please also observe the further product documentation!



Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.114 MJ
Halogen-free	Yes
Weight	6.4 g

Environmental requirements

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

Commercial data

Product Group	9 (Std Chassis Mt Blocks)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	100 pcs
Packaging type	box
Country of origin	CH
GTIN	4044918414531
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	70010891
	UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Certificate

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

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Logo	Approval	Additional Approval Text	name
	ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	LR Lloyds Register	IEC 60998	LR22173030TA

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	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 CNEX	GB/T 3836.3	202031231000187 (Ex eb IIC Gb, Ex eb I Mb)
	CCC CQST/CNEX	GB/T 3836.3	2020312313000187 (Ex eb IIC Gb, Ex eb I Mb)
	EAC Brjansker Zertifizierungsstelle	TP TC 012/2011	RU C-DE.AM02.B.00127/19 (Ex e IIC Gb U)
	IECEX Physikalisch Technische Bundesanstalt (PTB)	IEC 60079	IECEX PTB 04.0003U (Ex e IIC Gb and Ex eb I Mb)
	INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV 12.1299 U

Counterpart

Item no.264-280 4-conductor terminal block; without push-buttons; suitable for Ex e II applications; with snap-in mounting foot; 1-pole; for plate thickness 0.6 - 1.2 mm; Fixing hole 3.5 mm Ø; 2.5 mm ² ; CAGE CLAMP®; 2,50 mm ² ; light gray	www.wago.com/264-280
Item no.264-230 4-conductor end terminal block; without push-buttons; suitable for Ex e II applications; with fixing flange; 1-pole; for screw or similar mounting types; Fixing hole 3.2 mm Ø; 2.5 mm ² ; CAGE CLAMP®; 2,50 mm ² ; light gray	www.wago.com/264-230

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

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Required accessories

End plate

End plate		
Item no.: 264-363		www.wago.com/264-363
End plate; with fixing flange; 4 mm thick; light gray		

Optional accessories

Ferrule

Ferrule		
Item no.: 216-101		www.wago.com/216-101
Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-104		www.wago.com/216-104
Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-106		www.wago.com/216-106
Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-102		www.wago.com/216-102
Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-103		www.wago.com/216-103
Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated		
Item no.: 216-123		www.wago.com/216-123
Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-122		www.wago.com/216-122
Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-124		www.wago.com/216-124
Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated		
Item no.: 216-132		www.wago.com/216-132
Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated		
Item no.: 216-121		www.wago.com/216-121
Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-131		www.wago.com/216-131
Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored		
Item no.: 216-152		www.wago.com/216-152
Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated		
Item no.: 216-203		www.wago.com/216-203
Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red		

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



Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue	www.wago.com/216-206
Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated	www.wago.com/216-151
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.: 216-205 Ferrule; Sleeve for 2.08 mm ² / AWG 14; insulated; electro-tin plated; yellow	www.wago.com/216-205
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.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223
Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-222
Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-224
Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-321
Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise	www.wago.com/216-322

Mounting

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	www.wago.com/709-167
Cover	
Item no.: 709-153 Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent	www.wago.com/709-153

Jumpers

Jumper	
Item no.: 280-492 Jumper; 2-way; insulated; gray	www.wago.com/280-492
Item no.: 264-402 Jumper; for conductor entry; 2-way; insulated; gray	www.wago.com/264-402

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



Marking accessories

Marker

Item no.: 2009-145/000-006	www.wago.com/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	www.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.: 2009-145/000-002	www.wago.com/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.: 2009-145/000-007	www.wago.com/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.: 2009-145/000-005	www.wago.com/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.: 2009-145/000-012	www.wago.com/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.: 2009-145/000-023	www.wago.com/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.: 2009-145/000-024	www.wago.com/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.: 248-501/000-006	www.wago.com/248-501/000-006
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue	

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

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

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

Item no.: 248-501	www.wago.com/248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	

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

**Item no.: 248-501/000-017**

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

www.wago.com/248-501/000-017**Item no.: 248-501/000-005**

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

www.wago.com/248-501/000-005**Item no.: 248-501/000-024**

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

www.wago.com/248-501/000-024**Item no.: 248-501/000-023**

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

www.wago.com/248-501/000-023**Tool**

Operating tool

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

www.wago.com/209-130**Item no.: 210-657**

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

www.wago.com/210-657**Item no.: 210-658**

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

www.wago.com/210-658**Item no.: 210-720**

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

www.wago.com/210-720**Item no.: 280-432**

Operating tool; made of insulating material; 2-way; white

www.wago.com/280-432**Downloads****Documentation****Bid Text**

264-231 X81 - Datei	2019 年2月19 日	xml 3.4 kB	Download
264-231 doc - Datei	2017 年6月14 日	doc 25.6 kB	Download

Additional Information

pdf
2.3 MB
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CAD/CAE-Data

CAD data

2D/3D Models 264-231	URL	Download
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CAE data

EPLAN Data Portal 264-231	URL	Download
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WSCAD Universe 264-231	URL	Download
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ZUKEN Portal 264-231	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 264-231	URL	Download
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4-conductor center terminal block; without push-buttons; suitable for Ex e II applications; 1-pole; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; light gray

Installation Notes

Installation



Assembling modular terminal blocks into terminal strips.



Mounting an "end terminal block" with mounting flange.

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

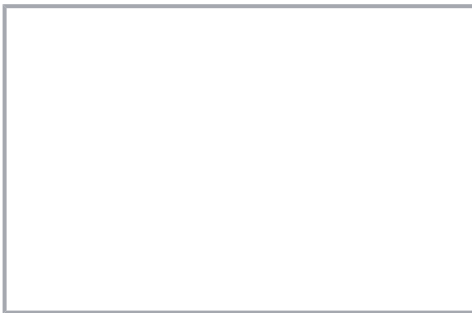


Mounting an end plate.



Removing a terminal block.

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.

Testing

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



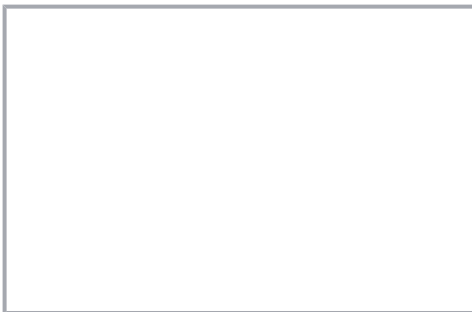
Testing by touch contact to the CAGE CLAMP® spring (limited to 0.5 A and 48 V test voltage) – test pins are not protected against accidental contact.

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.

Marking



Marking via Mini-WSB Quick Marking System.

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