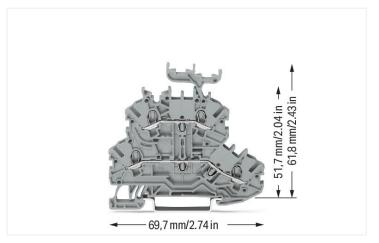
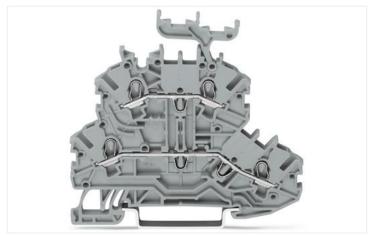
Double-deck terminal block; Through/through terminal block; L/L; with marker carrier; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 1,00 mm²; gray

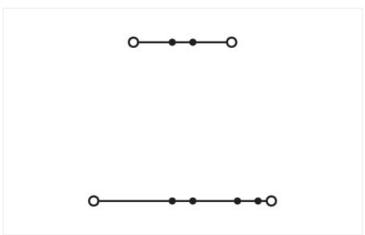


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Color: ■ gray



Similar to illustration

Electrical data			
Ratings per	IEC/	EN 60947-	7-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	500 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	13.5 A	-	-
Current at conductor cross-section (max.) mm ²	16 A	-	-

	UL 1059	
В	С	D
300 V	300 V	-
15 A	15 A	-
	300 V	B C 300 V 300 V

Approvals per	CSA 22.2 No 158		
Use group	В	С	D
Rated voltage	600 V	600 V	-
Rated current	10 A	10 A	-

Ex information	
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"
Ratings per	ATEX: PTB 11 ATEX 1041 U / IECEx: PTB 11.0093U (Ex eb IIC Gb)
Rated voltage EN (Ex e II)	350 V
Rated current (Ex e II)	13 A
Rated current (Ex e II) with jumper	12 A

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Depending on the conductor characteristic, a conductor with a smaller crosssection can also be inserted via push-in

9 ... 11 mm / 0.35 ... 0.43 inches

termination.

Front-entry wiring

Connection data			
Connection points	4	Connection 1	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
Number of levels	2	Number of connection points	2
Number of jumper slots	4	Actuation type	Operating tool
Number of jumper slots (rank)	1	Connectable conductor materials	Copper
		Nominal cross-section	1 mm²
		Solid conductor	0.14 1.5 mm² / 24 16 AWG
		Solid conductor; push-in termination	0.5 1.5 mm² / 20 16 AWG
		Fine-stranded conductor	0.14 1.5 mm² / 24 16 AWG
		Fine-stranded conductor; with insulated ferrule	0.14 0.75 mm² / 24 18 AWG
		Fine-stranded conductor; with ferrule;	0.5 0.75 mm² / 20 18 AWG

push-in termination

Strip length

Wiring direction

Note (conductor cross-section)

Connection 2		
Number of connection points 2	2	

Physical data	
Width	3.5 mm / 0.138 inches
Height	69.7 mm / 2.744 inches
Depth from upper-edge of DIN-rail	61.8 mm / 2.433 inches

Mechanical data	
Potential marking	L/L
Mounting type	DIN-35 rail
Marking level	Center/side marking

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Material group	f .
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.162 MJ
Weight	7.7 g

https://www.wago.com/2000-2231



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

Commercial data	
Product Group	22 (TOPJOB S)
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	4045454998134
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	NTR NL 7962
CSA DEKRA Certification B.V.	C22.2	2130762
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-125928
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name		
ATEX-Attestation of Conformity WAGO GmbH & Co. KG	-	-		
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-		
Railway WAGO GmbH & Co. KG	-	Railway Ready		
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-		

Approvals for hazardous areas





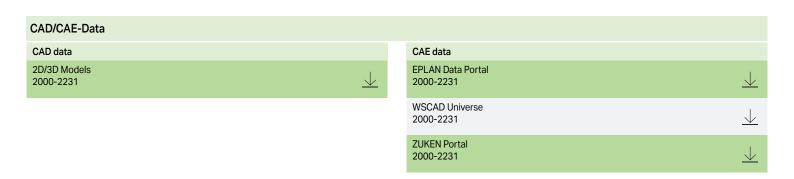
Approval	Standard	Certificate Name		
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)		
ATEX Physikalisch Technische Bundesanstalt	EN 60079	PTB 11 ATEX 1041 U (II 2 G Ex eb IIC Gb bzw. I M 2 Ex eb I Mb)		
CCC CNEX	GB/T 3836.3	2020312313000182 (Ex eb IIC Gb, Ex eb I Mb)		
EAC Brjansker Zertifizierungs- stelle	TP TC 012/2011	RU C-DE.AM02. B.00127/19 (Ex e IIC Gb U)		
IECEx Physikalisch Technische Bundesanstalt	IEC 60079	IECEx PTB 11.0093U (Ex e IIC Gb or Ex e I Mb)		

https://www.wago.com/2000-2231



Downloads Environmental Product Compliance Compliance Search Environmental Product Compliance 2000-2231

Documentation						
Additional Information			Bid Text			
Technical Section	pdf 2240.62 KB	<u>↓</u>	2000-2231	19.02.2019	xml 3.80 KB	$\underline{\downarrow}$
			2000-2231	07.08.2018	docx 14.47 KB	$\underline{\downarrow}$





1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 Mounting accessories





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



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



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



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 Item No.: 210-115

Steel carrier rail; 35×7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored

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

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 https://www.wago.com/2000-2231



1.2.2 Ferrule

1.2.2.1 Ferrule

Item No.: 216-241

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

Item No.: 216-242

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.: 216-243

Ferrule; Sleeve for 1 mm2 / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-156

Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.3.2 Cover carrier



Item No.: 709-169

Cover carrier; Type 3; 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 Jumper

1.2.4.1 Jumper



Item No.: 2000-406/020-000

Item No.: 2000-402/000-006

Jumper; 2-way; insulated; blue

Item No.: 2000-403/000-006

Jumper; 3-way; insulated; blue

Delta jumper; insulated; light gray





Item No.: 2000-410/000-006 Jumper; 10-way; insulated; blue

Jumper; 2-way; insulated; light gray

Jumper; 3-way; insulated; light gray

Item No.: 2000-402

Item No.: 2000-403



Item No.: 2000-410 Jumper; 10-way; insulated; light gray



Item No.: 2000-402/000-005 Jumper; 2-way; insulated; red





Item No.: 2000-403/000-005

Jumper; 3-way; insulated; red

Item No.: 2000-405/000-006

Jumper; 5-way; insulated; blue



Item No.: 2000-404/000-006

Item No.: 2000-410/000-005

Item No.: 2000-402/000-018

Jumper; 10-way; insulated; red

Jumper; 4-way; insulated; blue



Jumper; 5-way; insulated; light gray

Jumper; 2-way; insulated; yellow-green

Item No.: 2000-404

Jumper; 4-way; insulated; light gray



Item No.: 2000-404/000-005

Jumper; 4-way; insulated; red

Item No.: 2000-406/000-006

Jumper; 6-way; insulated; blue



Item No.: 2000-406

Jumper; 6-way; insulated; light gray



Item No.: 2000-405

Item No.: 2000-406/000-005 Jumper; 6-way; insulated; red



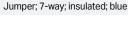
Item No.: 2000-407

Jumper; 7-way; insulated; light gray



Item No.: 2000-407/000-005 Jumper; 7-way; insulated; red

Item No.: 2000-408/000-006 Jumper; 8-way; insulated; blue

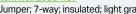


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Item No.: 2000-407/000-006

Item No.: 2000-405/000-005

Jumper; 5-way; insulated; red





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1.2.4.1 Jumper









Item No.: 2000-408

Jumper; 8-way; insulated; light gray

Item No.: 2000-408/000-005 Jumper; 8-way; insulated; red Item No.: 2000-409/000-006 Jumper; 9-way; insulated; blue Item No.: 2000-409

Jumper; 9-way; insulated; light gray

Item No.: 2000-409/000-005



Item No.: 2000-433/000-006

Jumper; 9-way; insulated; red



Jumper; from 1 to 3; insulated; blue



Jumper; from 1 to 3; insulated; light gray

Item No.: 2000-433/000-005

Jumper; from 1 to 3; insulated; red

Item No.: 2000-434

Item No.: 2000-440

Jumper; from 1 to 4; insulated; light gray

Item No.: 2000-435 Jumper; from 1 to 5; insulated; light gray Item No.: 2000-436

Jumper; from 1 to 6; insulated; light gray

Star point jumper; 3-way; insulated; light

Item No.: 2000-437

Jumper; from 1 to 7; insulated; light gray

Item No.: 2000-438

Jumper; from 1 to 8; insulated; light gray

Item No.: 2000-439

Jumper; from 1 to 9; insulated; light gray

Item No.: 2000-405/011-000

gray

Item No.: 2000-492

Vertical jumper; insulated; light gray

Item No.: 210-103

Wire commoning chain; insulated; black

Item No.: 210-123

Wire commoning chain; insulated; blue

1.2.5 Marking

1.2.5.1 Marker

Item No.: 793-3501

on type; white





WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue

Item No.: 2009-113/000-007

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray

Item No.: 2009-113/000-023

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green

WMB marking card; as card; plain; snap-

Item No.: 2009-113/000-017

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green Item No.: 2009-113/000-012

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange

Item No.: 2009-113/000-005

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red

Item No.: 2009-113/000-024

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet

Item No.: 2009-113

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

Item No.: 2009-113/000-002

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow

1.2.5.2 Marking strip



Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

https://www.wago.com/2000-2231



1.2.6 Protective warning marker

1.2.6.1 Cover



Item No.: 2000-115

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.7 Push-in type wire jumper

Push-in type wire jumper; 0.75 mm²; insu-

1.2.7.1 Jumper

Item No.: 2009-404

Item No.: 249-117

lated; 110 mm long; gray



Item No.: 2009-406

Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; gray

Item No.: 2009-402

Push-in type wire jumper; 0.75 mm²; insulated; 60 mm long; gray

1.2.8 Screwless end stop

1.2.8.1 Mounting accessories



Item No.: 249-116

Screwless end stop; 10 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

1.2.9 Test and measurement

1.2.9.1 Testing accessories

Item No.: 2009-174

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

<u>Item No.: 2009-182</u>

Testing tap; for max. 2.5 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.2.10 Tool

1.2.10.1 Operating tool

Item No.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

Item No.: 210-648

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

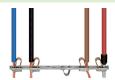
Item No.: 210-647

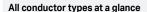
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured



Installation Notes

Conductor termination







Push-in termination of solid and ferruled conductors



Inserting a conductor via push-in termination:

Solid conductors with cross-sections from either one size above, or up to two sizes below, the rated cross-section can be simply pushed in – no tools needed.



Inserting a conductor via operating tool:

Connecting fine-stranded conductors without ferrules, or small cross-sectional conductors that cannot be pushed in, is performed similarly to the original CAGE CLAMP® – just use an operating tool.

Advantage:

To open the clamp, the operating tool is inserted vertically. The conductor entry is less than 15 degrees for easier wiring.



Conductor termination - insulation stop

Commoning



Removing a push-in type jumper bar: Insert the operating tool between the jumper and partition wall of the dual jumper slots, then lift up the jumper. Place the operating tool in the center of

jumpers for up to five contacts (see above), or alternately on both sides for jumpers with more than five contacts.



Insert push-in type jumper bar and push down until it hits backstop.

Commoning



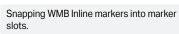
Commoning two levels via double-deck vertical jumper (2000-492).

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Marking









Double-Deck Terminal Blocks
A double-deck marker carrier (2000-121)
can be retrofitted to double-deck terminal
blocks without a marker carrier.

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