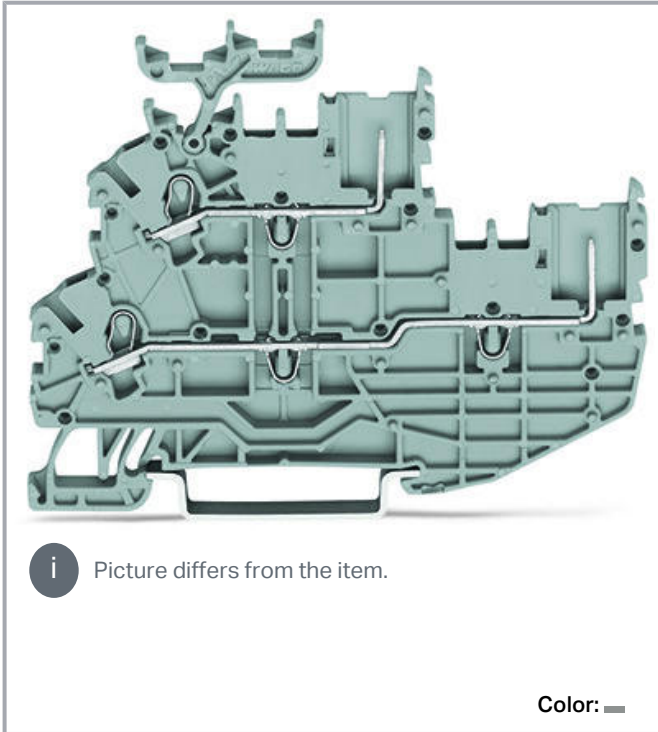


Data sheet | Item number: 2020-2232

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

www.wago.com/2020-2232



Data

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	500 V
Rated surge voltage (III/3)	6 kV
Rated current	13.5 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V

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.



Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	15 A

Ratings per CSA

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	10 A

Connection data

Total number of connection points	2
Total number of potentials	2
Number of levels	2

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool Push-in
Connectable conductor materials	Copper
Nominal cross-section	1 mm ²
Solid conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm ² / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm ² / 20 ... 18 AWG
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Wiring direction	Front-entry wiring

Physical data

Width	3.5 mm / 0.138 inch
Height	80.1 mm / 3.154 inch

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

Depth from upper edge of DIN-rail	61.4 mm / 2.417 inch
-----------------------------------	----------------------

Mechanical data

Potentialkennzeichnung	L/L
Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Side marking

Material data

Note on material data	Information on material data can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.197 MJ
Weight	8.8 g

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	50 Stück
Packaging type	box
Country of origin	CN
GTIN	4050821049586
Customs tariff number	85366990990

Approvals / Certificates




Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL 7617
	CSA DEKRA Certification B.V.	C22.2	2516073
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71- 100670


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





Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
	BV Bureau Veritas S.A.	EN 60947	38586/A0 BV
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
	LR Lloyds Register	EN 60947	91/20112 (E9)

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172

Counterpart

	Item no.2020-102 1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.5 mm; 2-pole; 1,50 mm ² ; gray	www.wago.com/2020-102
	Item no.2020-202 2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm ² ; Pin spacing 3.5 mm; 2-pole; 1,50 mm ² ; gray	www.wago.com/2020-202

Required accessories

End plate

End plate

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



Item no.: 2020-2291
End and intermediate plate; 1 mm thick; gray

www.wago.com/2020-2291



Item no.: 2020-2292
End and intermediate plate; 1 mm thick; orange

www.wago.com/2020-2292

Optional accessories

Marking accessories

Marking strip



Item no.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

www.wago.com/2009-110

Marker



Item no.: 2009-113
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

www.wago.com/2009-113

Item no.: 793-3501
WMB marking card; as card; plain; snap-on type; white

www.wago.com/793-3501

Protective warning marker

Cover



Item no.: 2000-115
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

www.wago.com/2000-115

Push-in type wire jumper

Jumper



Item no.: 2009-404
Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; gray

www.wago.com/2009-404



Item no.: 2009-402
Push-in type wire jumper; 0.75 mm²; insulated; 60 mm long; gray

www.wago.com/2009-402



Item no.: 2009-406
Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; gray

www.wago.com/2009-406

Ferrule

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

www.wago.com/216-241




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

www.wago.com/216-242

Item no.: 216-243

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

 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; www.wago.com/216-243
acc. to DIN 46228, Part 4/09.90; red

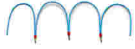
Coding

Coding

Item no.: 2020-100 www.wago.com/2020-100
Carrier with 6 coding pins; for coding of female plugs; for carrier terminal blocks; orange

Jumpers

Jumper



Item no.: 210-123 www.wago.com/210-123
Wire commoning chain; insulated; blue



Item no.: 2000-408 www.wago.com/2000-408
Jumper; 8-way; insulated; light gray



Item no.: 2000-407 www.wago.com/2000-407
Jumper; 7-way; insulated; light gray



Item no.: 2000-409 www.wago.com/2000-409
Jumper; 9-way; insulated; light gray



Item no.: 2000-408/000-006 www.wago.com/2000-408/000-006
Jumper; 8-way; insulated; blue



Item no.: 2000-408/000-005 www.wago.com/2000-408/000-005
Jumper; 8-way; insulated; red



Item no.: 2000-409/000-005 www.wago.com/2000-409/000-005
Jumper; 9-way; insulated; red



Item no.: 2000-407/000-006 www.wago.com/2000-407/000-006
Jumper; 7-way; insulated; blue



Item no.: 2000-410 www.wago.com/2000-410
Jumper; 10-way; insulated; light gray



Item no.: 2000-410/000-006 www.wago.com/2000-410/000-006
Jumper; 10-way; insulated; blue



Item no.: 2000-433/000-005 www.wago.com/2000-433/000-005
Jumper; from 1 to 3; insulated; red

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



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

www.wago.com/2000-407/000-005



Item no.: 2000-433/000-006
Jumper; from 1 to 3; insulated; blue

www.wago.com/2000-433/000-006



Item no.: 2000-410/000-005
Jumper; 10-way; insulated; red

www.wago.com/2000-410/000-005



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

www.wago.com/2000-435



Item no.: 2000-409/000-006
Jumper; 9-way; insulated; blue

www.wago.com/2000-409/000-006



Item no.: 2000-436
Jumper; from 1 to 6; insulated; light gray

www.wago.com/2000-436



Item no.: 2000-433
Jumper; from 1 to 3; insulated; light gray

www.wago.com/2000-433



Item no.: 2000-434
Jumper; from 1 to 4; insulated; light gray

www.wago.com/2000-434



Item no.: 2000-402
Jumper; 2-way; insulated; light gray

www.wago.com/2000-402



Item no.: 2000-402/000-006
Jumper; 2-way; insulated; blue

www.wago.com/2000-402/000-006



Item no.: 2000-403
Jumper; 3-way; insulated; light gray

www.wago.com/2000-403



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

www.wago.com/2000-402/000-005



Item no.: 2000-402/000-018
Jumper; 2-way; insulated; yellow-green

www.wago.com/2000-402/000-018



Item no.: 2000-404
Jumper; 4-way; insulated; light gray















www.wago.com/2000-404



Item no.: 2000-403/000-005
Jumper; 3-way; insulated; red

www.wago.com/2000-403/000-005

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

	Item no.: 2000-404/000-006 Jumper; 4-way; insulated; blue	www.wago.com/2000-404/000-006
	Item no.: 2000-403/000-006 Jumper; 3-way; insulated; blue	www.wago.com/2000-403/000-006
	Item no.: 2000-404/000-005 Jumper; 4-way; insulated; red	www.wago.com/2000-404/000-005
	Item no.: 2000-405 Jumper; 5-way; insulated; light gray	www.wago.com/2000-405
	Item no.: 2000-405/011-000 Star point jumper; 3-way; insulated; light gray	www.wago.com/2000-405/011-000
	Item no.: 2000-405/000-006 Jumper; 5-way; insulated; blue	www.wago.com/2000-405/000-006
	Item no.: 2000-406/000-006 Jumper; 6-way; insulated; blue	www.wago.com/2000-406/000-006
	Item no.: 2000-405/000-005 Jumper; 5-way; insulated; red	www.wago.com/2000-405/000-005
	Item no.: 2000-406 Jumper; 6-way; insulated; light gray	www.wago.com/2000-406
	Item no.: 2000-406/000-005 Jumper; 6-way; insulated; red	www.wago.com/2000-406/000-005
	Item no.: 2000-406/020-000 Delta jumper; insulated; light gray	www.wago.com/2000-406/020-000
	Item no.: 2000-437 Jumper; from 1 to 7; insulated; light gray	www.wago.com/2000-437
	Item no.: 2000-438 Jumper; from 1 to 8; insulated; light gray	www.wago.com/2000-438
	Item no.: 2000-492 Vertical jumper; insulated; light gray	www.wago.com/2000-492
	Item no.: 2000-439	

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

Jumper; from 1 to 9; insulated; light gray

www.wago.com/2000-439**Item no.: 2000-440**

Jumper; from 1 to 10; insulated; light gray

www.wago.com/2000-440**Item no.: 210-103**

Wire commoning chain; insulated; black

www.wago.com/210-103

Carrier rail

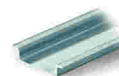
Mounting accessories

**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.: 210-113**

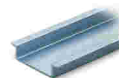
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored

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**Item no.: 210-196**

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

www.wago.com/210-196

Tool

Operating tool

Item no.: 210-648

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

www.wago.com/210-648**Item no.: 210-647**

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

www.wago.com/210-647**Item no.: 210-719**

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

www.wago.com/210-719

Testing and measuring

Testing accessories

Item no.: 859-500

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.



WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 10 mm uninsulated; Test lead for soldering up to 0,5 mm² www.wago.com/859-500

Downloads

Documentation

Bid Text

2020-2232 X81 - Datei	2019. 2. 19.	xml 4.3 kB	Download
--------------------------	--------------	---------------	----------

2020-2232 docx - Datei	2018. 8. 7.	docx 15.5 kB	Download
---------------------------	-------------	-----------------	----------

Additional Information

Technical Section Technical explanations		pdf 2.2 MB	Download
---	--	---------------	----------

CAD/CAE-Data

CAD data

2D/3D Models 2020-2232		URL	Download
------------------------	--	-----	----------

CAE data

WSCAD Universe 2020-2232		URL	Download
--------------------------	--	-----	----------

ZUKEN Portal 2020-2232		URL	Download
------------------------	--	-----	----------

EPLAN Data Portal 2020-2232		URL	Download
-----------------------------	--	-----	----------

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2020-2232		URL	Download
--	--	-----	----------

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

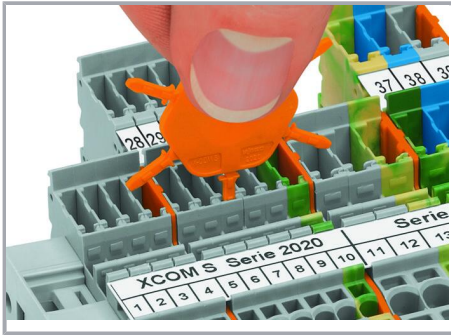
Subject to changes. Please also observe the further product documentation!

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.

Installation Notes

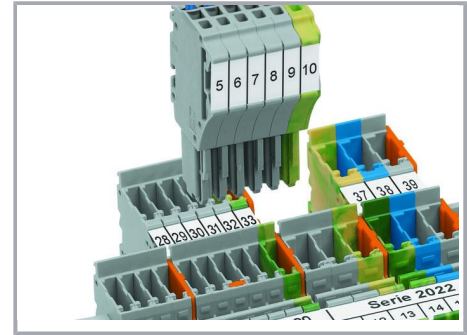
Coding



Insert coding pin into the corresponding slot and twist it off.



Coding a female plug: remove coding finger using a suitable tool.



Insert coded female plug into X-COM®S-SYSTEM terminal block assembly.

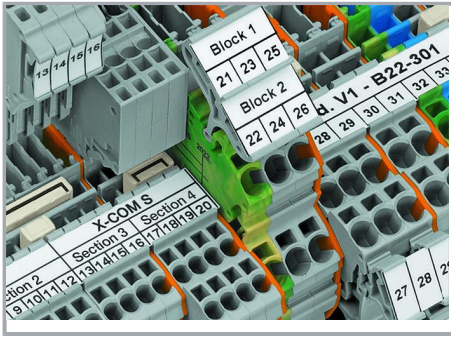


1-conductor female plug

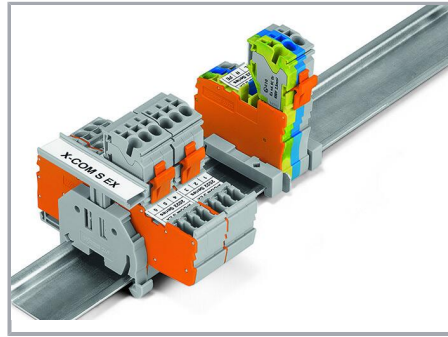
Double-deck carrier terminal blocks can be commoned via 2000 Series Push-In Type Jumper Bars and tested via 859-500 Test Pin.

Marking

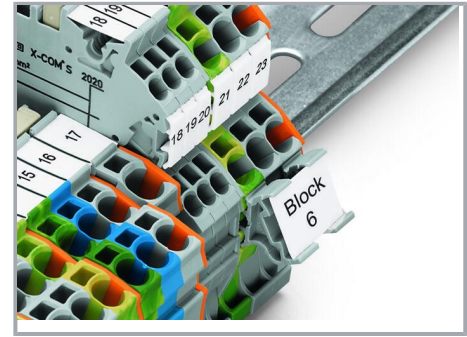
Subject to changes. Please also observe the further product documentation!



Clear marking via large marking area



Group marking with height-adjustable group marker carrier (2009-163)



Marking via marker carrier (2009-198)

Product family

X-COM S-Mini

[Show all products from the family](#)

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