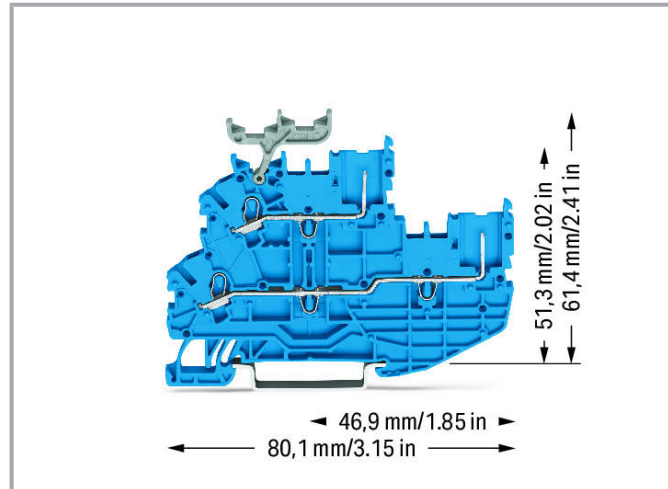


Data sheet | Item number: 2020-2234

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

www.wago.com/2020-2234



Color: 

Data

Electrical data

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

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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) $\triangleq$ Overvoltage category III / Pollution degree 3

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
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 mm²
Solid conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG

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



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

Mechanical data

Potentialkennzeichnung	N/N
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	blue
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.197 MJ
Weight	9.7 g

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	50 Stück
Packaging type	box
Country of origin	CN
GTIN	4050821049593
Customs tariff number	85366990990

Approvals / Certificates

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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

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
	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

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

Counterpart


Item no.2020-102

1-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; gray

www.wago.com/2020-102


Item no.2020-202

2-conductor female connector; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; gray

www.wago.com/2020-202

Required accessories

End plate

End plate


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

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

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

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Coding

Coding

Item no.: 2020-100

Carrier with 6 coding pins; for coding of female plugs; for carrier terminal blocks; orange

www.wago.com/2020-100

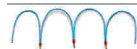
Ferrule

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; whitewww.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; graywww.wago.com/216-242**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; redwww.wago.com/216-243

Jumpers

Jumper

**Item no.: 210-123**

Wire commoning chain; insulated; blue

www.wago.com/210-123**Item no.: 2000-408**

Jumper; 8-way; insulated; light gray

www.wago.com/2000-408**Item no.: 2000-407**

Jumper; 7-way; insulated; light gray

www.wago.com/2000-407**Item no.: 2000-409**

Jumper; 9-way; insulated; light gray

www.wago.com/2000-409**Item no.: 2000-408/000-006**

Jumper; 8-way; insulated; blue

www.wago.com/2000-408/000-006**Item no.: 2000-408/000-005**

Jumper; 8-way; insulated; red

www.wago.com/2000-408/000-005**Item no.: 2000-409/000-005**

Jumper; 9-way; insulated; red

www.wago.com/2000-409/000-005**Item no.: 2000-407/000-006**

Jumper; 7-way; insulated; blue

www.wago.com/2000-407/000-006**Item no.: 2000-410**

Jumper; 10-way; insulated; light gray

www.wago.com/2000-410

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

www.wago.com/2000-410/000-006



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

www.wago.com/2000-433/000-005



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



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

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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

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

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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
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



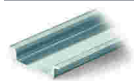
Item no.: 210-197
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored

www.wago.com/210-197



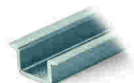
Item no.: 210-198
Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored

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; www.wago.com/210-112 silver-colored

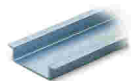


Item no.: 210-114
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored

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; www.wago.com/210-115 silver-colored



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

Protective warning marker

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

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Cover

**Item no.: 2000-115**

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

www.wago.com/2000-115

Testing and measuring

Testing accessories

**Item no.: 859-500**

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

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

Downloads

Documentation

Bid Text

2020-2234 X81 - Datei	2019. 2. 19.	xml 4.3 kB	Download
2020-2234 docx - Datei	2018. 8. 7.	docx 15.5 kB	Download

Additional Information

Technical Section Technical explanations	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 2020-2234	URL	Download
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CAE data

EPLAN Data Portal 2020-2234	URL	Download
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WSCAD Universe 2020-2234

[URL](#) [Download](#)

ZUKEN Portal 2020-2234

[URL](#) [Download](#)

Environmental Product Compliance

Compliance Search

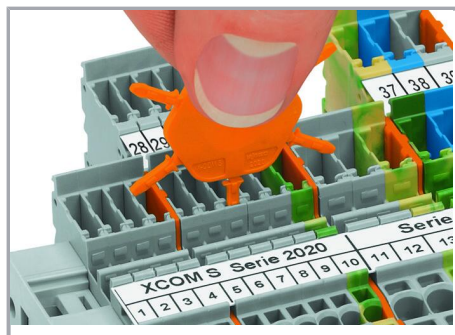
Environmental Product Compliance 2020-2234

[URL](#) [Download](#)

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

Installation Notes

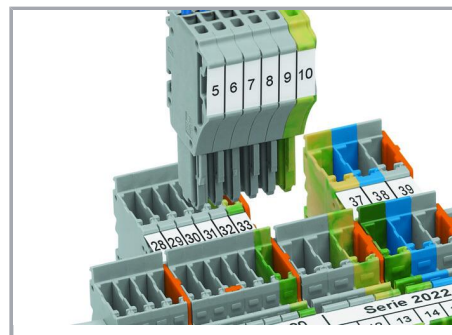
Coding



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.

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

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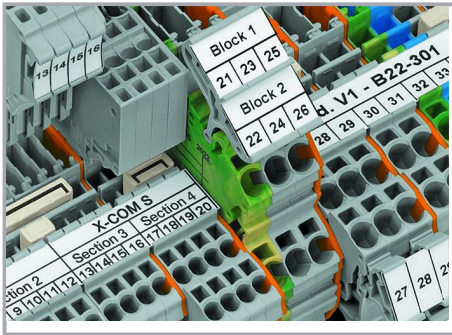
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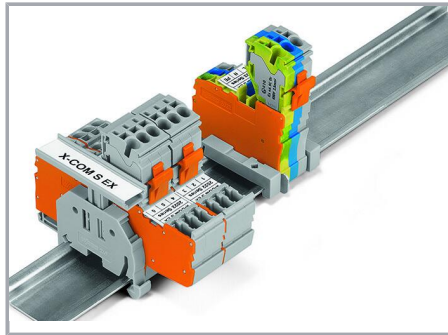
1-conductor female plug

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

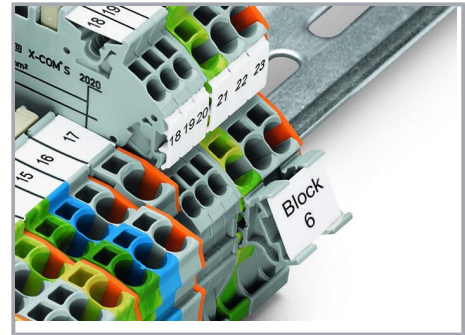
Marking



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!