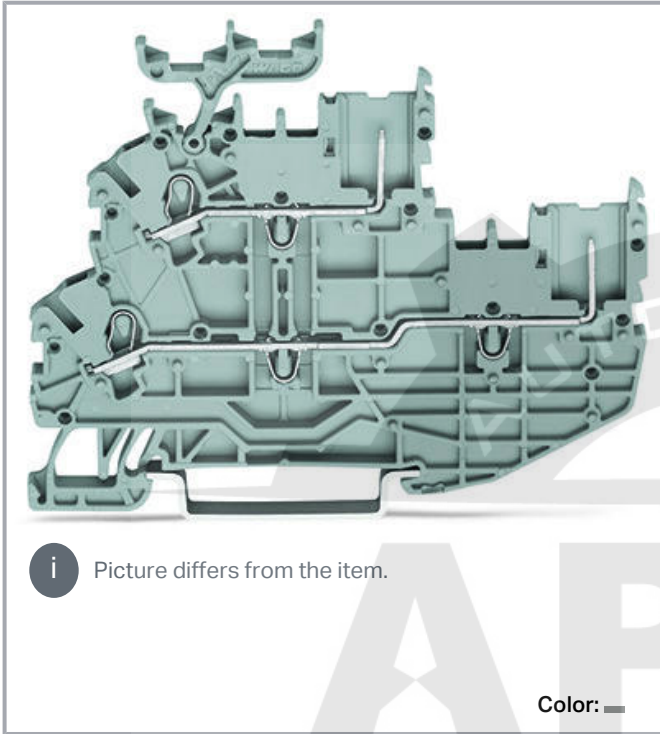


Data sheet | Item number: 2020-2232

X-COM S-Mini double-deck carrier/feedthrough terminal block; through /through (N/L); with marker carrier; rail mount; 1-conductor, 1-pin; 3.5 mm wide; gray

www.wago.com/2020-2232



 Picture differs from the item.

Color: 

Data

Electrical data

IEC Approvals

Ratings per	IEC/EN 60947-7-1
Rated 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

UL Approvals

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

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

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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

CSA Approvals

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

Connection technology	Push-in CAGE CLAMP®
Actuation type	Open Tool Slot Push-in
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; push-in termination	0.5 ... 0.75 mm² / 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
Total number of connection points	2
Total number of potentials	2
Number of levels	2
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

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Mechanical data

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

Material data

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)
Packaging type	BOX
Country of origin	CN
GTIN	4050821049586
Customs tariff number	8536904000

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

Ship Approvals

Certificate

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Logo	Approval	Additional Approval Text	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	20171023- E45172

Counterpart

	Item no.2020-102 X-COM S-Mini female plug; rail mount; for 2020 series carrier terminal blocks; 1-conductor; 2-pole; 7.7 mm wide; gray	www.wago.com/2020-102
	Item no.2020-202 2-conductor female connector; 1.5 mm ² ; Pin spacing 3.5 mm; 2-pole; 1,50 mm ² ; gray	www.wago.com/2020-202

Required accessories

End plates

	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

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Optional accessories

Carrier rail

	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.: 210-113 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.: 210-114 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.: 210-118 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.: 210-196 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
	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

Push-in type wire jumper

	Item no.: 2009-402 TOPJOB®S wire jumper; insulated; 60 mm long; conductor cross section 0.75 mm²; suitable for 2000 and 2020 series terminal blocks; gray	www.wago.com/2009-402
	Item no.: 2009-404 TOPJOB®S wire jumper; insulated; 110 mm long; conductor cross section 0.75 mm²; suitable for 2000 and 2020 series terminal blocks; gray	www.wago.com/2009-404
	Item no.: 2009-406 TOPJOB®S wire jumper; insulated; 250 mm long; conductor cross section 0.75 mm²; suitable for 2000 and 2020 series terminal blocks; gray	www.wago.com/2009-406

Tools

	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.: 210-648 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short	www.wago.com/210-648
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	www.wago.com/210-719

Marking accessories

	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
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Subject to changes. Please also observe the further product documentation!

	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
Jumpers		
	Item no.: 2000-402 TOPJOB®S jumper; for 2000 series; insulated; 2-way; light-gray	www.wago.com/2000-402
	Item no.: 2000-402/000-005 TOPJOB®S jumper; for 2000 series; insulated; 2-way; red	www.wago.com/2000-402/000-005
	Item no.: 2000-402/000-006 TOPJOB®S jumper; for 2000 series; insulated; 2-way; blue	www.wago.com/2000-402/000-006
	Item no.: 2000-402/000-018 TOPJOB®S jumper; for 2000 series; insulated; 2-way; green-yellow	www.wago.com/2000-402/000-018
	Item no.: 2000-403 TOPJOB®S jumper; for 2000 series; insulated; 3-way; light-gray	www.wago.com/2000-403
	Item no.: 2000-403/000-005 TOPJOB®S jumper; for 2000 series; insulated; 3-way; red	www.wago.com/2000-403/000-005
	Item no.: 2000-403/000-006 TOPJOB®S jumper; for 2000 series; insulated; 3-way; blue	www.wago.com/2000-403/000-006
	Item no.: 2000-404 TOPJOB®S jumper; for 2000 series; insulated; 4-way; light-gray	www.wago.com/2000-404
	Item no.: 2000-404/000-005 TOPJOB®S jumper; for 2000 series; insulated; 4-way; red	www.wago.com/2000-404/000-005
	Item no.: 2000-404/000-006 TOPJOB®S jumper; for 2000 series; insulated; 4-way; blue	www.wago.com/2000-404/000-006
	Item no.: 2000-405 TOPJOB®S jumper; for 2000 series; insulated; 5-way; light-gray	www.wago.com/2000-405
	Item no.: 2000-405/000-005 TOPJOB®S jumper; for 2000 series; insulated; 5-way; red	www.wago.com/2000-405/000-005
	Item no.: 2000-405/000-006 TOPJOB®S jumper; for 2000 series; insulated; 5-way; blue	www.wago.com/2000-405/000-006

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**Item no.: 2000-405/011-000**

TOPJOB®S jumper; Wye configuration; for 2000 series; insulated; 3-way (1-3-5); light-gray

www.wago.com/2000-405/011-000**Item no.: 2000-406**

TOPJOB®S jumper; for 2000 series; insulated; 6-way; light-gray

www.wago.com/2000-406**Item no.: 2000-406/000-005**

TOPJOB®S jumper; for 2000 series; insulated; 6-way; red

www.wago.com/2000-406/000-005**Item no.: 2000-406/000-006**

TOPJOB®S jumper; for 2000 series; insulated; 6-way; blue

www.wago.com/2000-406/000-006**Item no.: 2000-406/020-000**

TOPJOB®S jumper; Delta configuration; for 2000 series; insulated; 6-way (1-2, 3-4, 5-6); light-gray

www.wago.com/2000-406/020-000**Item no.: 2000-407**

TOPJOB®S jumper; for 2000 series; insulated; 7-way; light-gray

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

TOPJOB®S jumper; for 2000 series; insulated; 7-way; red

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

TOPJOB®S jumper; for 2000 series; insulated; 7-way; blue

www.wago.com/2000-407/000-006**Item no.: 2000-408**

TOPJOB®S jumper; for 2000 series; insulated; 8-way; light-gray

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

TOPJOB®S jumper; for 2000 series; insulated; 8-way; red

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

TOPJOB®S jumper; for 2000 series; insulated; 8-way; blue

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

TOPJOB®S jumper; for 2000 series; insulated; 9-way; light-gray

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

TOPJOB®S jumper; for 2000 series; insulated; 9-way; red

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

TOPJOB®S jumper; for 2000 series; insulated; 9-way; blue

www.wago.com/2000-409/000-006**Item no.: 2000-410**

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TOPJOB®S jumper; for 2000 series; insulated; 10-way; light-gray

www.wago.com/2000-410**Item no.: 2000-410/000-005**

TOPJOB®S jumper; for 2000 series; insulated; 10-way; red

www.wago.com/2000-410/000-005**Item no.: 2000-410/000-006**

TOPJOB®S jumper; for 2000 series; insulated; 10-way; blue

www.wago.com/2000-410/000-006**Item no.: 2000-433**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); light-gray

www.wago.com/2000-433**Item no.: 2000-433/000-005**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); red

www.wago.com/2000-433/000-005**Item no.: 2000-433/000-006**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); blue

www.wago.com/2000-433/000-006**Item no.: 2000-434**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-4); light-gray

www.wago.com/2000-434**Item no.: 2000-435**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-5); light-gray

www.wago.com/2000-435**Item no.: 2000-436**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-6); light-gray

www.wago.com/2000-436**Item no.: 2000-437**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-7); light-gray

www.wago.com/2000-437**Item no.: 2000-438**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-8); light-gray

www.wago.com/2000-438**Item no.: 2000-439**

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-9); light-gray

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

TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-10); light-gray

www.wago.com/2000-440**Item no.: 2000-492**

TOPJOB®S double-deck vertical jumper; for 2000 series; insulated; double-deck; light-gray

www.wago.com/2000-492**Item no.: 210-103**

Wire commoning chain; insulated; black

www.wago.com/210-103**Item no.: 210-123**

Wire commoning chain; insulated; blue

www.wago.com/210-123

Coding

Item no.: 2020-100

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

www.wago.com/2020-100**Protective warning marker****Item no.: 2000-115**TOPJOB®S protective warning marker; with high-voltage symbol, for 2000 series terminal blocks; for 5 terminal blocks www.wago.com/2000-115**Testing accessories****Item no.: 859-500**

Test pin; 1 mm Ø; with solder connection for test wire

www.wago.com/859-500**Ferrules****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; red www.wago.com/216-243**Downloads****Documentation****Bid Text**

2020-2232

X81 - Datei

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Aug 7, 2018

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15.5 kB[Download](#)**Additional Information**

Technical explanations

Apr 3, 2019

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2D/3D Models 2020-2232

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WSCAD Universe 2020-2232

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ZUKEN Portal 2020-2232

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EPLAN Data Portal 2020-2232

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Environmental Product Compliance

Compliance Search

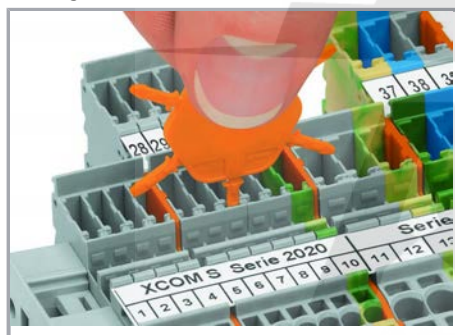
Environmental Product Compliance 2020-2232

[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

Installation Notes

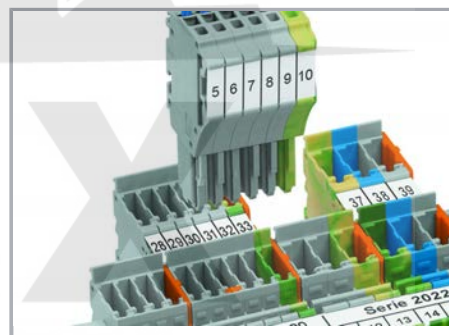
Coding



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



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

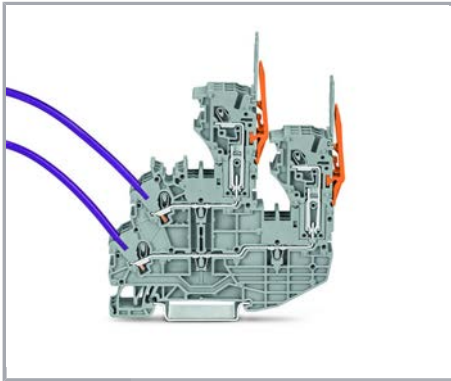


Insert coded female plug into X-COM®S-SYSTEM terminal block assembly.

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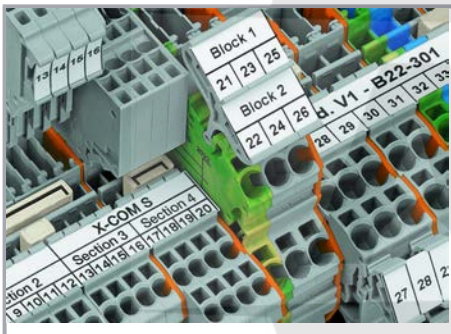
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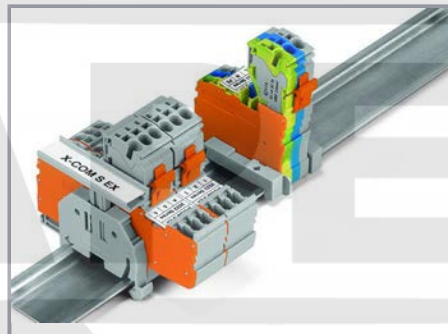
1-conductor female plug

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

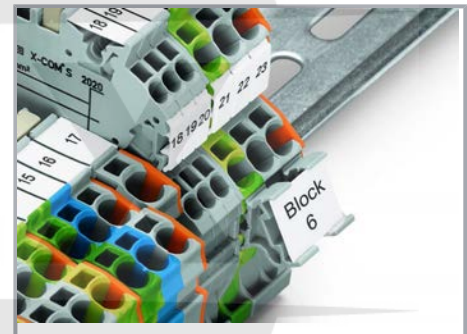
Marking



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](#)

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