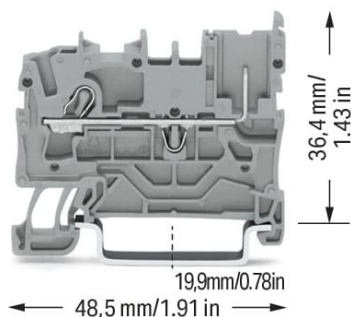


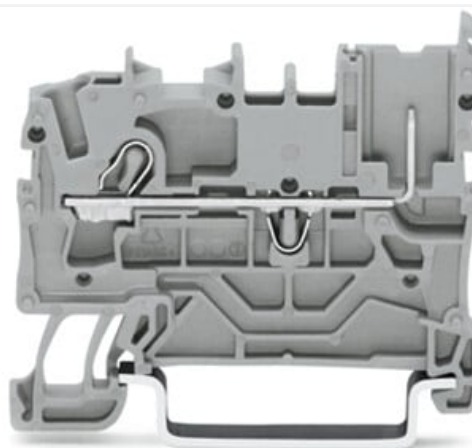
Data Sheet | Item Number: 2022-1201

1-conductor/1-pin carrier terminal block; 2.5 mm²; for DIN-rail 35 x 15 and 35 x 7.5;
Push-in CAGE CLAMP®; 2,50 mm²; gray

<https://www.wago.com/2022-1201>



Color: ■ gray

**Electrical data**

Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	690 V	-	-
Rated surge voltage	6 kV	-	-
Rated current	24 A	-	-
Current at conductor cross-section (max.) mm ²	32 A	-	-

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	-	600 V	-
Rated current	-	20 A	-

Power Loss	
Power loss, per pole (potential)	0.7661 W
Rated current I _N for specified power loss	24 A
Resistance value for specified, current-dependent power loss	0.00133 Ω

Connection data

Connection points	1
Female plug slots	1
Total number of potentials	1
Number of levels	1

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	2.5 mm ²
Solid conductor	0.25 ... 4 mm ² / 22 ... 12 AWG
Solid conductor; push-in termination	1 ... 4 mm ² / 18 ... 12 AWG
Fine-stranded conductor	0.25 ... 4 mm ² / 22 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm ² / 22 ... 14 AWG
Fine-stranded conductor; with ferrule; push-in termination	1 ... 2.5 mm ² / 18 ... 14 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	10 ... 12 mm / 0.39 ... 0.47 inches
Wiring direction	Front-entry wiring



Physical data	
Width	5.2 mm / 0.205 inches
Height	48.5 mm / 1.909 inches
Depth from upper-edge of DIN-rail	36.4 mm / 1.433 inches

Mechanical data	
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	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.112 MJ
Weight	5 g

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

Commercial data	
Product Group	18 (X-COM-System)
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)	100 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821145059
Customs tariff number	85366990990

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals					
  	<table><tr><th colspan="2">General approvals</th></tr><tr><td>UL Underwriters Laboratories Inc.</td><td>UL 1059 E45172</td></tr></table>	General approvals		UL Underwriters Laboratories Inc.	UL 1059 E45172
General approvals					
UL Underwriters Laboratories Inc.	UL 1059 E45172				

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR CCA NL-7864
CSA DEKRA Certification B.V.	C22.2 No. 158	2437422
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-116567



Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2022-1201



Documentation

Additional Information
Technical Section

pdf
2240.62 KB



Bid Text			
2022-1201	19.02.2019	xml 4.01 KB	
2022-1201	14.05.2019	docx 15.31 KB	



CAD/CAE-Data

CAD data
2D/3D Models 2022-1201



CAE data
EPLAN Data Portal 2022-1201
WSCAD Universe 2022-1201
ZUKEN Portal 2022-1201



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 2022-101
1-conductor female connector; Push-in
CAGE CLAMP®; 4 mm²; Pin spacing 5.2
mm; 1-pole; 4,00 mm²; gray



1.2 Required Accessories			
1.2.1 End plate			
1.2.1.1 End plate			
			
Item No.: 2022-1291 End and intermediate plate; 1 mm thick; gray	Item No.: 2022-1292 End and intermediate plate; 1 mm thick; orange		
1.3 Optional Accessories			
1.3.1 Coding			
1.3.1.1 Coding			
			
Item No.: 2022-100 Carrier with 6 coding pins; for coding of female plugs; orange			
1.3.2 DIN-rail			
1.3.2.1 Mounting accessories			
			
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	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 x 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
1.3.3 Ferrule			
1.3.3.1 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.: 216-262 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
			
Item No.: 216-263 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	Item No.: 216-244 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	Item No.: 216-264 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	Item No.: 216-284 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black
			
Item No.: 216-246 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	Item No.: 216-266 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	Item No.: 216-286 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	

1.3.4 Insulation stop

1.3.4.1 Insulation stop

**Item No.: 2002-171**

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

**Item No.: 2002-172**

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.3.5 Jumper

1.3.5.1 Jumper

**Item No.: 2002-400**

Continuous jumper; 2-way; insulated; light gray

**Item No.: 2002-423/000-006**

Continuous jumper; from 1 to 3; insulated; blue

**Item No.: 2002-423**

Continuous jumper; from 1 to 3; insulated; light gray

**Item No.: 2002-423/000-005**

Continuous jumper; from 1 to 3; insulated; red

**Item No.: 2002-424/000-006**

Continuous jumper; from 1 to 4; insulated; blue

**Item No.: 2002-424**

Continuous jumper; from 1 to 4; insulated; light gray

**Item No.: 2002-424/000-005**

Continuous jumper; from 1 to 4; insulated; red

**Item No.: 2002-406/020-000**

Delta jumper; insulated; light gray

**Item No.: 2002-410/000-006**

Jumper; 10-way; insulated; blue

**Item No.: 2002-410**

Jumper; 10-way; insulated; light gray

**Item No.: 2002-410/000-005**

Jumper; 10-way; insulated; red

**Item No.: 2002-402/000-006**

Jumper; 2-way; insulated; blue

**Item No.: 2002-402**

Jumper; 2-way; insulated; light gray

**Item No.: 2002-402/000-005**

Jumper; 2-way; insulated; red

**Item No.: 2002-403/000-006**

Jumper; 3-way; insulated; blue

**Item No.: 2002-403**

Jumper; 3-way; insulated; light gray

**Item No.: 2002-403/000-005**

Jumper; 3-way; insulated; red

**Item No.: 2002-404/000-006**

Jumper; 4-way; insulated; blue

**Item No.: 2002-404**

Jumper; 4-way; insulated; light gray

**Item No.: 2002-404/000-005**

Jumper; 4-way; insulated; red

**Item No.: 2002-405/000-006**

Jumper; 5-way; insulated; blue

**Item No.: 2002-405**

Jumper; 5-way; insulated; light gray

**Item No.: 2002-405/000-005**

Jumper; 5-way; insulated; red

**Item No.: 2002-406/000-006**

Jumper; 6-way; insulated; blue

**Item No.: 2002-406**

Jumper; 6-way; insulated; light gray

**Item No.: 2002-406/000-005**

Jumper; 6-way; insulated; red

**Item No.: 2002-407/000-006**

Jumper; 7-way; insulated; blue

**Item No.: 2002-407**

Jumper; 7-way; insulated; light gray

**Item No.: 2002-407/000-005**

Jumper; 7-way; insulated; red

**Item No.: 2002-408/000-006**

Jumper; 8-way; insulated; blue

**Item No.: 2002-408**

Jumper; 8-way; insulated; light gray

**Item No.: 2002-408/000-005**

Jumper; 8-way; insulated; red

**Item No.: 2002-409/000-006**

Jumper; 9-way; insulated; blue

**Item No.: 2002-409**

Jumper; 9-way; insulated; light gray

**Item No.: 2002-409/000-005**

Jumper; 9-way; insulated; red

**Item No.: 2002-440**

Jumper; from 1 to 10; insulated; light gray

**Item No.: 2002-433**

Jumper; from 1 to 3; insulated; light gray

**Item No.: 2002-434**

Jumper; from 1 to 4; insulated; light gray

**Item No.: 2002-435**

Jumper; from 1 to 5; insulated; light gray

**Item No.: 2002-436**

Jumper; from 1 to 6; insulated; light gray

**Item No.: 2002-437**

Jumper; from 1 to 7; insulated; light gray

**Item No.: 2002-438**

Jumper; from 1 to 8; insulated; light gray

**Item No.: 2002-439**

Jumper; from 1 to 9; insulated; light gray

**Item No.: 2002-480**

Staggered jumper; 10-way; insulated; light gray

1.3.5.1 Jumper



Item No.: 2002-481

Staggered jumper; 11-way; insulated; light gray



Item No.: 2002-482

Staggered jumper; 12-way; insulated; light gray



Item No.: 2002-473/011-000

Staggered jumper; 2-way; from 1 to 3; insulated; light gray



Item No.: 2002-472

Staggered jumper; 2-way; insulated; light gray



Item No.: 2002-473

Staggered jumper; 3-way; insulated; light gray



Item No.: 2002-475/011-000

Staggered jumper; 3-way; insulated; light gray



Item No.: 2002-474

Staggered jumper; 4-way; insulated; light gray



Item No.: 2002-475

Staggered jumper; 5-way; insulated; light gray



Item No.: 2002-476

Staggered jumper; 6-way; insulated; light gray



Item No.: 2002-477

Staggered jumper; 7-way; insulated; light gray



Item No.: 2002-478

Staggered jumper; 8-way; insulated; light gray



Item No.: 2002-479

Staggered jumper; 9-way; insulated; light gray



Item No.: 2002-477/011-000

Staggered jumper; insulated; light gray



Item No.: 2002-479/011-000

Staggered jumper; insulated; light gray



Item No.: 2002-481/011-000

Staggered jumper; insulated; light gray



Item No.: 2002-405/011-000

Star point jumper; 3-way; insulated; light gray



Item No.: 210-103

Wire commoning chain; insulated; black



Item No.: 210-123

Wire commoning chain; insulated; blue

1.3.6 Marking

1.3.6.1 Group marker carrier



Item No.: 2009-191

Group marker carrier; gray



Item No.: 2009-192

Group marker carrier; gray



Item No.: 2009-193

Group marker carrier; gray

1.3.6.2 Marker



Item No.: 2009-145

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 248-501

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



Item No.: 793-5501

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 2009-115

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.3.6.3 Marker carrier



Item No.: 2002-161

Adaptor; gray



Item No.: 2009-198

Adaptor; gray

1.3.6.4 Marking strip



Item No.: 2009-110

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

1.3.7 Protective warning marker

1.3.7.1 Cover



Item No.: 2002-115

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

1.3.8 Push-in type wire jumper

1.3.8.1 Jumper



Item No.: 2009-414

Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black



Item No.: 2009-414/000-005

Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black



Item No.: 2009-416

Push-in type wire jumper; 1.5 mm²; insulated; 250 mm long; black



Item No.: 2009-414/000-006

Push-in type wire jumper; insulated; 110 mm long; black



Item No.: 2009-412

Push-in type wire jumper; insulated; 60 mm long; black

1.3.9 Screwless end stop

1.3.9.1 Mounting accessories



Item No.: 249-117

Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray



Item No.: 249-116

Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.3.10 Test and measurement

1.3.10.1 Testing accessories



Item No.: 2002-560

Modular TOPJOB®S connector; modular; for jumper contact slot; 10-pole; 2,50 mm²; gray



Item No.: 2002-511

Modular TOPJOB®S connector; modular; for jumper contact slot; 1-pole; 2,50 mm²; gray



Item No.: 2002-552

Modular TOPJOB®S connector; modular; for jumper contact slot; 2-pole; 2,50 mm²; gray



Item No.: 2002-553

Modular TOPJOB®S connector; modular; for jumper contact slot; 3-pole; 2,50 mm²; gray



Item No.: 2002-554

Modular TOPJOB®S connector; modular; for jumper contact slot; 4-pole; 2,50 mm²; gray



Item No.: 2002-555

Modular TOPJOB®S connector; modular; for jumper contact slot; 5-pole; 2,50 mm²; gray



Item No.: 2002-556

Modular TOPJOB®S connector; modular; for jumper contact slot; 6-pole; 2,50 mm²; gray



Item No.: 2002-557

Modular TOPJOB®S connector; modular; for jumper contact slot; 7-pole; 2,50 mm²; gray



Item No.: 2002-558

Modular TOPJOB®S connector; modular; for jumper contact slot; 8-pole; 2,50 mm²; gray



Item No.: 2002-559

Modular TOPJOB®S connector; modular; for jumper contact slot; 9-pole; 2,50 mm²; gray



Item No.: 2002-549

Spacer module; modular; e.g., for bridging commoned terminal blocks; gray



Item No.: 2009-174

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



Item No.: 2009-182

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



Item No.: 859-500

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to 0,5mm²

1.3.11 Tool

1.3.11.1 Operating tool



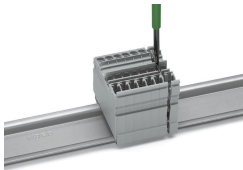
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

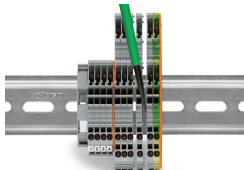
Installation



Snap individual carrier terminal blocks on to the DIN-rail and slide together.

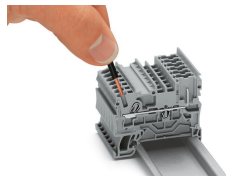


Open the assembly by laterally sliding a block via operating tool (3.5 x 0.5 mm blade).



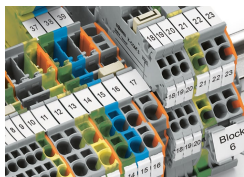
Separate terminal block assembly and slide individual terminal blocks laterally using an operating tool.

Conductor termination

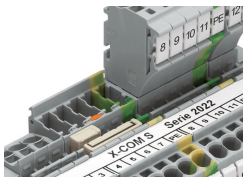


Push-in CAGE CLAMP® enables solid conductors to be connected by simply pushing them into the unit.

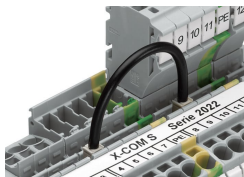
Commoning



Commoning X-COM®S-SYSTEM Terminal Blocks using jumpers for TOPJOB® S Terminal Blocks. An end plate provides connection to TOPJOB® S Terminal Blocks. 2020 and 2022 Series Terminal Blocks are combinable. Jumper slots are on the same level for both series.

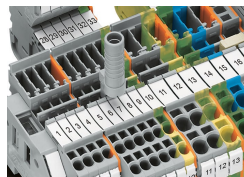


Pairing push-in comb style jumpers.



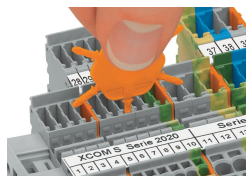
Commoning with push-in type wire jumper.

Testing



Test plug adapter (2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks.

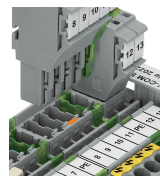
Coding



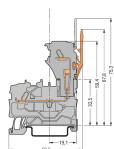
Insert coding pin into the corresponding slot and twist it off.



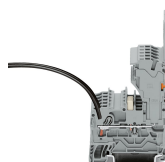
Coding a female plug: remove coding finger using a suitable tool.



Insert a coding pin (2022-100) into the corresponding location of the carrier terminal block.

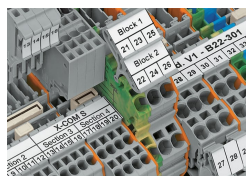


Carrier terminal block

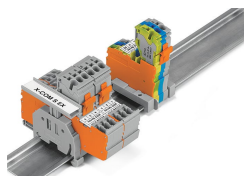


1-conductor female plug
Carrier terminal blocks can be commoned
via 2000 Series Push-In Type Jumper Bars
and tested via 859-500 Test Pin.

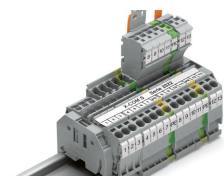
Marking



Clear marking via large marking area

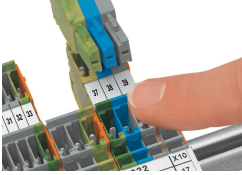


Group marking with height-adjustable group marker carrier (2009-163)



2022 Series X-COM®S-SYSTEM Carrier
Terminal Blocks combined with 2002 Se-
ries Through Terminal Blocks

Security



Carrier terminal blocks and female plugs are touch-proof.