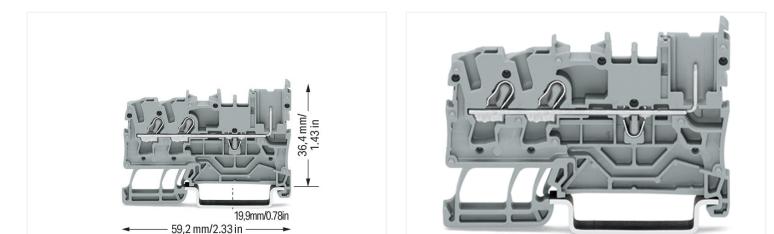
Data Sheet | Item Number: 2022-1301 2-conductor/1-pin carrier terminal block; 2.5 mm²; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm²; gray

https://www.wago.com/2022-1301



Color: 🔳 gray

Through terminal block, 2022 Series, operating tool

This through terminal block (item number 2022-1301) streamlines wire connections, making them both quick and easy. Whether for use in industry or building installations, our rail-mount through terminal blocks make it easy to quickly and securely connect electrical conductors. They're perfect for either classic through-wiring or distributing potential, depending on the variant. Rated current and voltage are important parameters when choosing a pluggable rail-mount terminal block, as they determine the product's suitability for different applications. This product has a rated voltage of 690 V and a rated current of 24 A. Strip lengths must be between 10 mm and 12 mm when connecting conductors to this through terminal block. Featuring conductor terminals along with Push-in CAGE CLAMP®, this connector delivers reliable performance. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be plugged in without the need for tools—all thanks to its pluggable design. This through terminal block is suitable for conductor cross sections ranging from 0.25 mm² to 4 mm². It has one level. The single potential can connect using the two clamping points The gray housing is made of polyamide (PA66) for insulation. This pluggable rail-mount terminal block is operated with an operating tool. These pluggable rail-mount terminal blocks are mounted using DIN-35 rails. You can connect copper conductors via front-entry wiring.

Version 06.05.2025

Notes

Safety Information

Electrical data

A separator plate (Item No. 209-191) or a 10 mm end stop (Item No. 249-117) must be placed at the end of a WAGO X-COM®-SYSTEM terminal strip.

Ratings per	IEC/	'EN 60947-	7-1
Overvoltage category	III	Ш	Ш
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	В	С	D
Rated voltage	600 V	600 V	-
Rated current	20 A	20 A	-

Approvals per	С	SA 22.2 No 15	8
Use group	В	С	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



Data Sheet | Item Number: 2022-1301 https://www.wago.com/2022-1301



Connection data			
Clamping units	2	Connection 1	
Female plug slots	1	Connection technology	Push-in CAGE CLAMP®
Total number of potentials	1	Actuation type	Operating tool
Number of levels	1	Connectable conductor materials	Copper
		Nominal cross-section	2.5 mm ²
		Solid conductor	0.25 4 mm² / 22 12 AWG
		Solid conductor; push-in termination	1 4 mm² / 18 12 AWG
		Fine-stranded conductor	0.25 4 mm² / 22 12 AWG
	Fine-stranded conductor; with insulated ferrule	0.25 2.5 mm² / 22 14 AWG	
	Fine-stranded conductor; with ferrule; push-in termination	1 2.5 mm² / 18 14 AWG	
	Note (conductor cross-section)	Depending on the conductor charact stic, a conductor with a smaller cross section can also be inserted via push 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		59.2 mm / 2.331 inches	
Depth from upper-edge of DIN-rail		36.4 mm / 1.433 inches	

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	1
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.136 MJ
Weight	6.3 g

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

https://www.wago.com/2022-1301



Commercial data	
Product Group	18 (X-COM-System)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821145127
Customs tariff number	85366990990

Product classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-41
eCl@ss 9.0	27-14-11-20
ETIM 9.0	EC000897
ETIM 8.0	EC000897
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status

Compliant,No Exemption

Approvals / Certificates

General approvals

CCA 🕃 🛛	KEUR FU ®	
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
UL Underwriters Laboratories Inc.	UL 1059	E45172

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	-	-

Approvals for marine applications

ABS.	

Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

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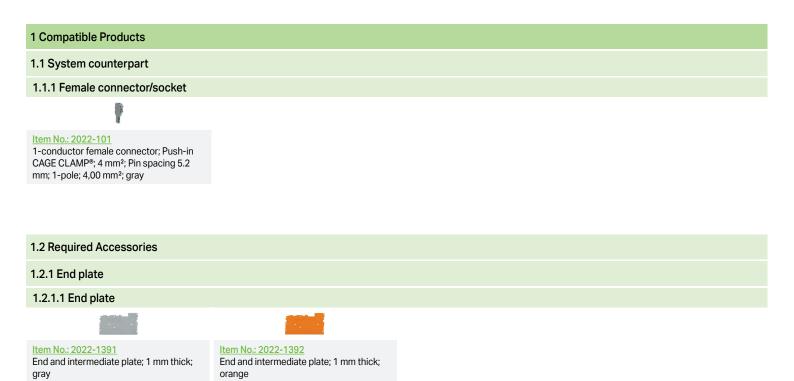
Documentation

Bid Text			
2022-1301	19.02.2019	xml 4.01 KB	$\underline{\downarrow}$
2022-1301	14.05.2019	docx 15.34 KB	\downarrow

CAD/CAE-Data

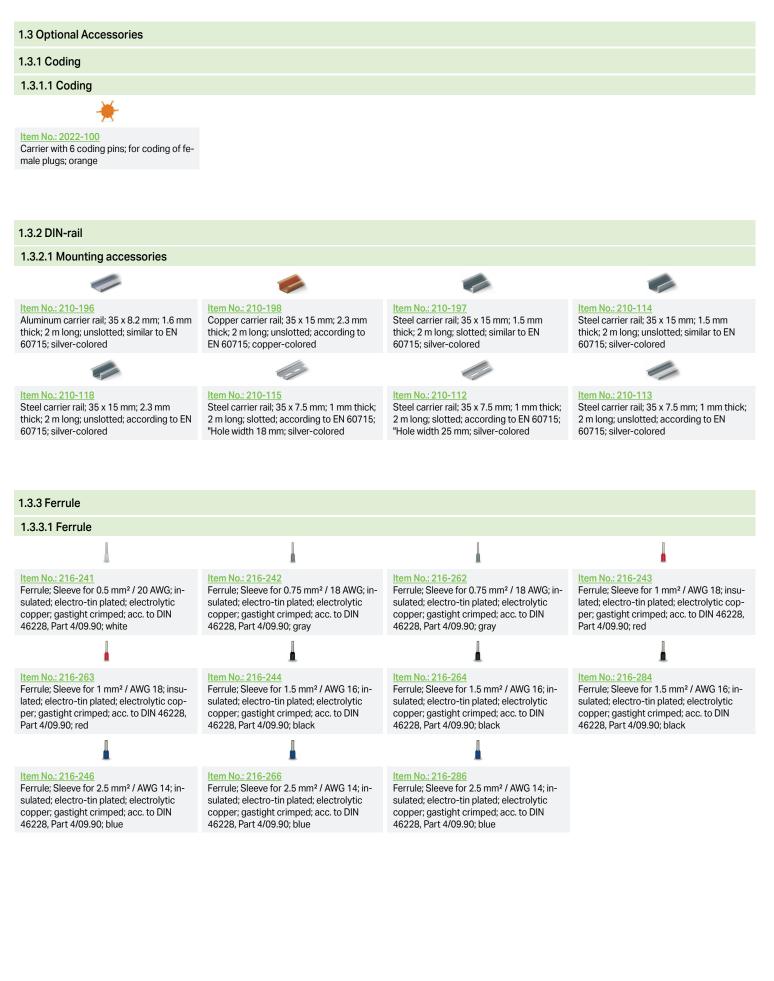
CAD data	
2D/3D Models 2022-1301	<u> </u>

CAE data	
EPLAN Data Portal 2022-1301	\downarrow
WSCAD Universe 2022-1301	$\underline{\downarrow}$
ZUKEN Portal 2022-1301	$\underline{\downarrow}$



https://www.wago.com/2022-1301





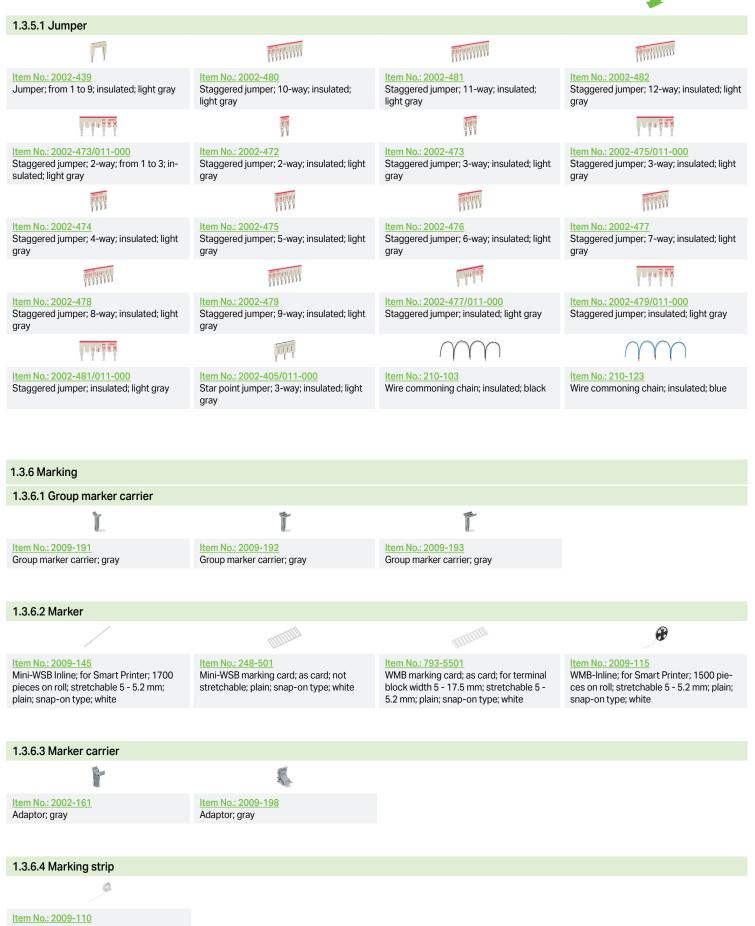
https://www.wago.com/2022-1301



1.3.4 Insulation stop 1.3.4.1 Insulation stop 0000 man Item No.: 2002-171 Item No.: 2002-172 Insulation stop; 0.25 - 0.5 mm²; 5 pieces/ Insulation stop; 0.75 - 1 mm²; 5 pieces/ strip; light gray strip; dark gray 1.3.5 Jumper 1.3.5.1 Jumper U uu Item No.: 2002-423/000-006 Item No.: 2002-400 Item No.: 2002-413 Item No.: 2002-415 Continuous jumper; from 1 to 3; insulated; Continuous jumper; 2-way; insulated; light Continuous jumper; 3-way; insulated; Continuous jumper; 5-way; insulated; gray light gray light gray blue Item No.: 2002-423/000-005 Item No.: 2002-423 Item No.: 2002-424/000-006 Item No.: 2002-424 Continuous jumper; from 1 to 3; insulated; Continuous jumper; from 1 to 4; insulated; Continuous jumper; from 1 to 3; insulated; Continuous jumper; from 1 to 4; insulated; light gray red blue light gray ALL IN Item No.: 2002-424/000-005 Item No.: 2002-406/020-000 Item No.: 2002-410/000-006 Item No.: 2002-410 Continuous jumper; from 1 to 4; insulated; Delta jumper; insulated; light gray Jumper; 10-way; insulated; blue Jumper; 10-way; insulated; light gray red Item No.: 2002-410/000-005 Item No.: 2002-402/000-006 Item No.: 2002-402/000-005 Item No.: 2002-402 Jumper; 10-way; insulated; red Jumper; 2-way; insulated; blue Jumper; 2-way; insulated; light gray Jumper; 2-way; insulated; red Item No.: 2002-403/000-006 Item No.: 2002-403 Item No.: 2002-403/000-005 Item No.: 2002-404/000-006 Jumper; 3-way; insulated; blue Jumper; 3-way; insulated; light gray Jumper; 3-way; insulated; red Jumper; 4-way; insulated; blue TH TU Item No.: 2002-404 Item No.: 2002-404/000-005 Item No.: 2002-405/000-006 Item No.: 2002-405 Jumper; 4-way; insulated; light gray Jumper; 4-way; insulated; red Jumper; 5-way; insulated; blue Jumper; 5-way; insulated; light gray TU TH Item No.: 2002-405/000-005 Item No.: 2002-406/000-006 Item No.: 2002-406 Item No.: 2002-406/000-005 Jumper; 5-way; insulated; red Jumper; 6-way; insulated; blue Jumper; 6-way; insulated; light gray Jumper; 6-way; insulated; red uu Item No.: 2002-407 Item No.: 2002-407/000-005 Item No.: 2002-408/000-006 Item No.: 2002-407/000-006 Jumper; 8-way; insulated; blue Jumper; 7-way; insulated; blue Jumper; 7-way; insulated; light gray Jumper; 7-way; insulated; red TU Item No.: 2002-408 Item No.: 2002-408/000-005 Item No.: 2002-409/000-006 Item No.: 2002-409 Jumper; 8-way; insulated; light gray Jumper; 8-way; insulated; red Jumper; 9-way; insulated; blue Jumper; 9-way; insulated; light gray Item No.: 2002-409/000-005 Item No.: 2002-440 Item No.: 2002-433 Item No.: 2002-434 Jumper; 9-way; insulated; red Jumper; from 1 to 10; insulated; light gray Jumper; from 1 to 3; insulated; light gray Jumper; from 1 to 4; insulated; light gray Item No.: 2002-435 Item No.: 2002-436 Item No.: 2002-437 Item No.: 2002-438 Jumper; from 1 to 5; insulated; light gray Jumper; from 1 to 6; insulated; light gray Jumper; from 1 to 7; insulated; light gray Jumper; from 1 to 8; insulated; light gray

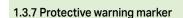
https://www.wago.com/2022-1301





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

https://www.wago.com/2022-1301



1.3.7.1 Cover

80

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.: 2009-412

mm long; black

Item No.: 2009-414 Push-in type wire jumper; 1.5 mm²; insulated; 110 mm long; black

Push-in type wire jumper; insulated; 60



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

Item No.: 2009-414/000-005





Item No.: 2009-414/000-006 Push-in type wire jumper; insulated; 110 mm long; black

1.3.9 Screwless end stop

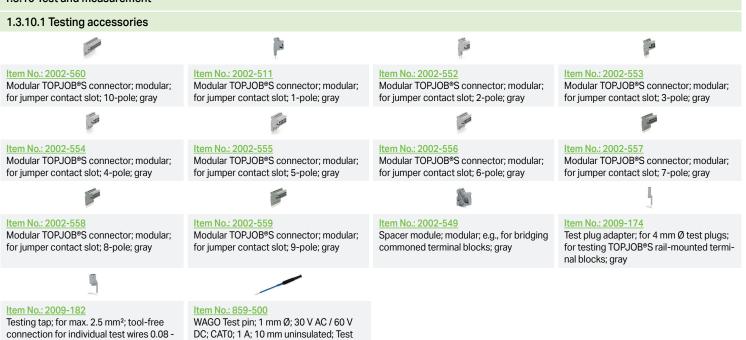
1.3.9.1 Mounting accessories



Item No.: 249-117 Screwless end stop; 10 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray Item No.: 249-116 Screwless end stop; 6 mm wide; for DINrail 35 x 15 and 35 x 7.5; gray

lead for soldering up to 0,5mm²

1.3.10 Test and measurement



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2.5 mm; gray



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1.3.11 Tool

1.3.11.1 Operating tool



Installation Notes

Installation







Snap individual carrier terminal blocks onto 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 $^{\circ}$ 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.





Test plug adapter (Item No. 2009-174) for 4 mm test plugs or banana plugs – also suitable for X-COM®S-SYSTEM-MINI Terminal Blocks. N/AGD

https://www.wago.com/2022-1301

Coding



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

A start

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



Insert a coding pin (Item No. 2022-100) into the corresponding location of the carrier terminal block.

Marking



Clear marking via large marking area



Group marking with height-adjustable group marker carrier (Item No. 2009-163)

Security



Carrier terminal blocks and female plugs are touch-proof.

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

