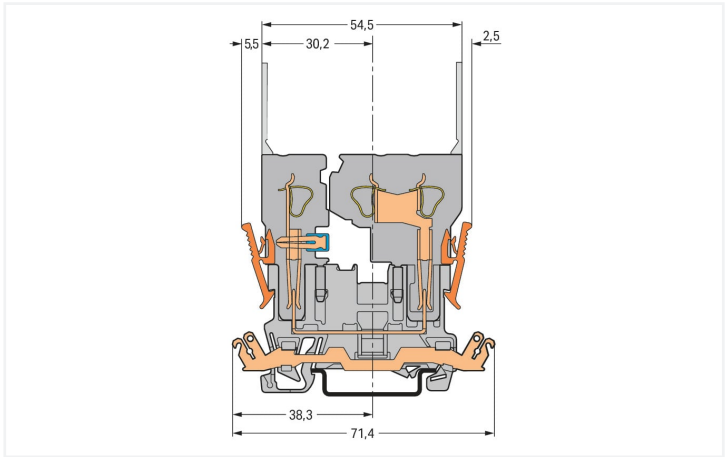


Color: ■ gray



Carrier terminal block with shield contact

Electrical data

Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	-	-
Rated surge voltage	4 kV	-	-
Rated current	32 A	-	-

Power Loss	
Rated current $I_N$ for specified power loss	32 A

Connection data

Total number of potentials	1
Number of levels	1

Connection 1	
Wiring direction	Front-entry wiring

Physical data

Width	5 mm / 0.197 inches
Height	71.5 mm / 2.815 inches
Depth from upper-edge of DIN-rail	28.5 mm / 1.122 inches

Mechanical data

Design	horizontal type
Mounting type	DIN-35 rail
Marking level	Center marking



Material data	
Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.101 MJ
Weight	6.7 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)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821107385
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA CSA Group	C22.2	1101144	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01			
UL Underwriters Laboratories Inc.	UL 1977	E 45171			
UR Underwriters Laboratories Inc.	UL 1059	E45172			



Approvals for marine applications



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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 769-221



Documentation

Additional Information
Technical Section

pdf  
2240.62 KB



Bid Text
769-221
19.02.2019
xml 2.97 KB
769-221
02.10.2017
doc 24.00 KB



CAD/CAE-Data

CAD data
2D/3D Models 769-221



CAE data
EPLAN Data Portal 769-221
WSCAD Universe 769-221
ZUKEN Portal 769-221



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



**Item No.: 769-101/022-000**  
1-conductor female connector, angled;  
CAGE CLAMP®; 4 mm²; Pin spacing 5 mm;  
1-pole; coding finger; 4,00 mm²; gray

**Item No.: 769-101**  
1-conductor female connector; CAGE  
CLAMP®; 4 mm²; Pin spacing 5 mm; 1-po-  
le; coding finger; 4,00 mm²; gray

**Item No.: 769-121**  
2-conductor female connector; CAGE  
CLAMP®; 4 mm²; Pin spacing 5 mm; 1-po-  
le; coding finger; 4,00 mm²; gray



1.2 Required Accessories

1.2.1 End plate

1.2.1.1 End plate



**Item No.: 769-305**  
End and intermediate plate; 1.1 mm thick; gray



**Item No.: 769-306**  
End and intermediate plate; 1.1 mm thick; orange

1.3 Optional Accessories

1.3.1 Coding

1.3.1.1 Coding



**Item No.: 769-435**  
Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

1.3.2 Cover

1.3.2.1 Cover



**Item No.: 769-438**  
Pin cover; with marker slot for miniature WSB; gray



**Item No.: 769-439**  
Pin cover; with marker slot for miniature WSB; orange

1.3.3 DIN-rail

1.3.3.1 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.: 210-508**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-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.: 210-506**  
Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; 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.: 210-504**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; 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



**Item No.: 210-505**  
Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored



1.3.4 Installation

1.3.4.1 Mounting accessories



[Item No.: 209-106](#)  
Mounting carrier; for isolated mounting on DIN 35 rails; gray



[Item No.: 249-116](#)  
Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.3.5 Jumper

1.3.5.1 Jumper



[Item No.: 280-402](#)  
Jumper; insulated; gray



[Item No.: 280-409](#)  
Jumper; insulated; gray



[Item No.: 780-452](#)  
Staggered jumper; from 1 to 2; insulated; gray



[Item No.: 780-453](#)  
Staggered jumper; from 1 to 3; insulated; gray



[Item No.: 780-454](#)  
Staggered jumper; from 1 to 4; insulated; gray



[Item No.: 780-455](#)  
Staggered jumper; from 1 to 5; insulated; gray



[Item No.: 780-456](#)  
Staggered jumper; from 1 to 6; insulated; gray



[Item No.: 780-457](#)  
Staggered jumper; from 1 to 7; insulated; gray



[Item No.: 780-458](#)  
Staggered jumper; from 1 to 8; insulated; gray

1.3.6 Marking

1.3.6.1 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

1.3.7 Push-in type wire jumper

1.3.7.1 Jumper



[Item No.: 249-126](#)  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; black



[Item No.: 249-123](#)  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 180 mm long; black



[Item No.: 249-127](#)  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; black



[Item No.: 249-125](#)  
Push-in type wire jumper; insulated; 60 mm long; black

1.3.8 Test and measurement

1.3.8.1 Testing accessories



**Item No.: 280-419**  
Spacer module; modular; bridging commoned terminal blocks; gray



**Item No.: 280-404**  
Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm² - 4 mm² tbs; gray



**Item No.: 280-418**  
Test plug module; modular; suitable for all WAGO 280 and 780 Series rail-mounted terminal blocks with jumper slots in the current bar; gray

1.3.9 Tool

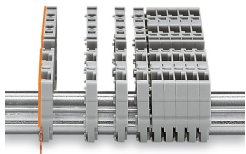
1.3.9.1 Operating tool



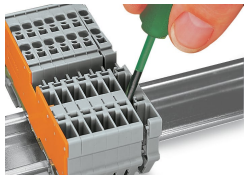
**Item No.: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Installation Notes

Installation

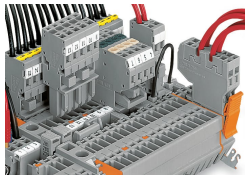


Snap individual carrier terminal blocks on-to the DIN-rail and slide together.

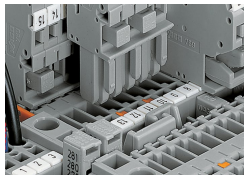


Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.

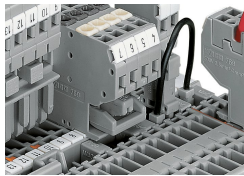
Commoning



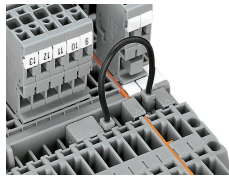
Commoning with adjacent or staggered jumpers.  
Push jumpers down until fully inserted.



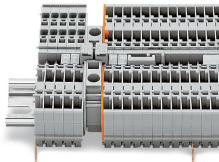
Commoning carrier terminal blocks via staggered jumpers.



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.

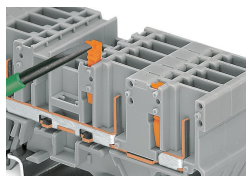


Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.



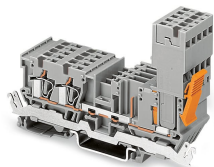
Commoning "supply terminal blocks" (up to 10 mm²/8 AWG) with carrier terminal blocks via step-down jumpers.

## Coding

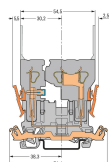


Snap coding pin in proper direction on carrier terminal block.  
Shown: Coding pin removal from carrier terminal block.

## Locking system



Securing a female plug via locking lever on the terminal block side.



Carrier terminal block with shield contact



2-pin carrier terminal block with shield contact  
2-conductor female plug  
1-conductor female plug, straight\*  
\*1-conductor angled female plug is also possible!