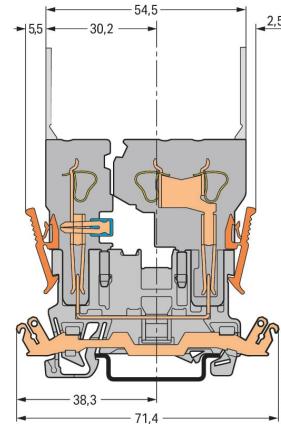


Color: ■ gray



Carrier terminal block with shield contact

### Electrical data

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

### Connection data

Total number of potentials	1	Connection 1
Number of levels	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)

&lt;a href="https://www.wago.com/us/material-specifications"&gt;Information on material specifications can be found here&lt;/a&gt;

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
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626
CSA CSA Group	C22.2	1101144
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

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

## Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

## Downloads

## Environmental Product Compliance

## Compliance Search

Environmental Product Compliance 769-221



## Documentation

## Additional Information

Technical Section	pdf 2240.62 KB	
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## 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 mm<sup>2</sup>; Pin spacing 5 mm;  
1-pole; coding finger; 4,00 mm<sup>2</sup>; gray

[Item No.: 769-101](#)

1-conductor female connector; CAGE  
CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 1-po-  
le; coding finger; 4,00 mm<sup>2</sup>; gray

[Item No.: 769-121](#)

2-conductor female connector; CAGE  
CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 1-po-  
le; coding finger; 4,00 mm<sup>2</sup>; gray

## 1.2 Required Accessories

### 1.2.1 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



#### [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 common terminal blocks; gray

Item No.: 280-404

Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm<sup>2</sup> - 4 mm<sup>2</sup> 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

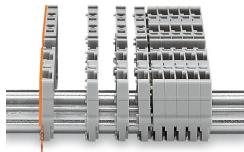
## 1.3.9.1 Operating tool

Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

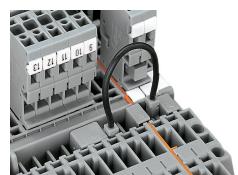
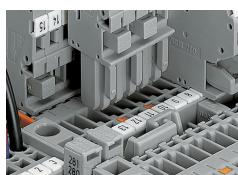
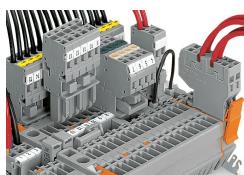
## Installation



Snap individual carrier terminal blocks onto 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

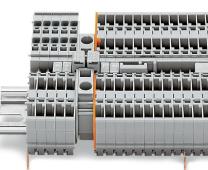


Commoning with adjacent or staggered jumpers.  
Push jumpers down until fully inserted.

Commoning carrier terminal blocks via staggered jumpers.

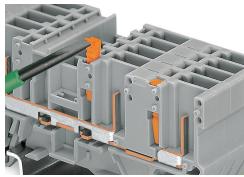
Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.

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 mm<sup>2</sup>/8 AWG) with carrier terminal blocks via step-down jumpers.

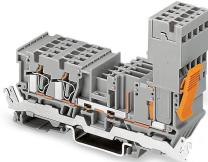
## Coding



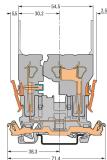
Snap coding pin in proper direction on carrier terminal block.

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-connector female plug, straight\*

\*1-conductor angled female plug is also possible!