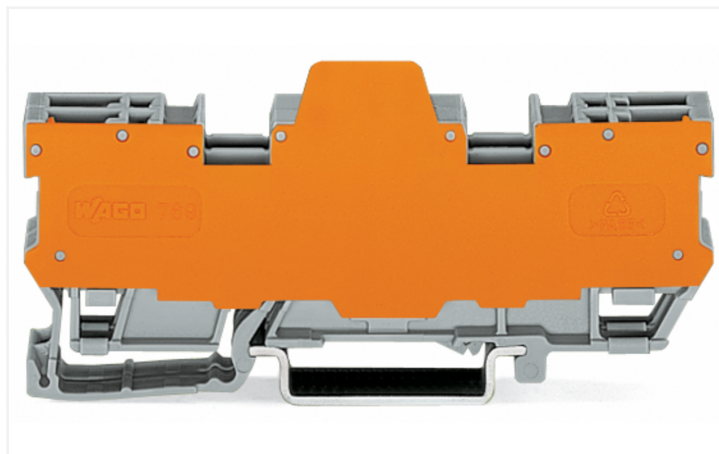
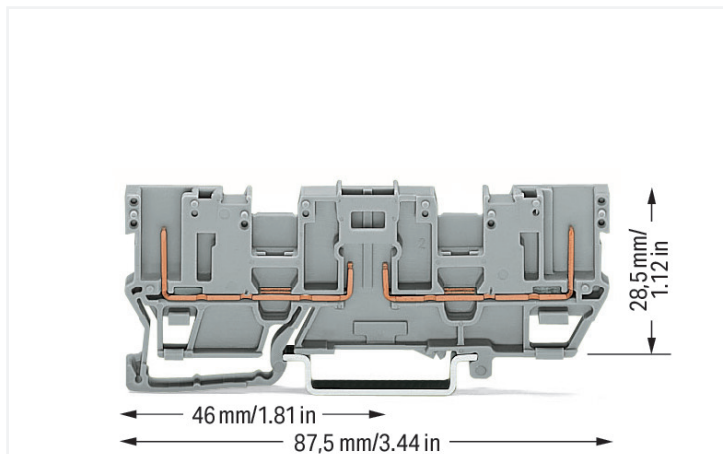


## Data Sheet | Item Number: 769-162/769-313

2-pin terminal block for pluggable modules; 4-pole; with 2 jumper positions; with orange separator plate; for DIN-rail 35 x 15 and 35 x 7.5; gray

<https://www.wago.com/769-162/769-313>



Color: ■ gray

Similar to illustration

Carrier terminal block for fuses and electronic modules, 769 Series, gray

Our carrier terminal block for fuses and electronic modules (item number 769-162/769-313) simplifies electrical installations. Pluggable rail-mount terminal blocks are hugely popular in switchgear and control systems, for example, in railroad technology. They combine the best of rail-mount terminal blocks and connectors for the perfect solution. Variable wiring systems make pre-assembly easy, which leads to considerable time and cost savings in production, installation, operation, and maintenance.

### Notes

#### Safety Information

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.

#### Note

2-conductor female plugs cannot be used.

### Electrical data

#### Ratings per IEC/EN

Nominal voltage (III/3)	400 V
Rated impulse withstand voltage (III / 3)	6 kV
Rated current	16 A
Legend (ratings)	(III / 3) $\Delta$ Overvoltage category III / Pollution degree 3

#### Power Loss

Rated current $I_N$ for power loss specification	16 A
--	------

### General information

Wiring direction	Front-entry wiring
------------------	--------------------

### Connection Data

Total number of potentials	4	<b>Connection 1</b>	
Number of levels	1	Pole number	4
		Wiring direction	Front-entry wiring

### Physical data

Width	11.1 mm / 0.437 inches
Height	87.5 mm / 3.445 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="#">Information on material specifications can be found here</a>
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.402 MJ
Weight	17.7 g

### Environmental requirements

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

### Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966104059
Customs tariff number	85366990990

### Product Classification

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

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

### Approvals / Certificates

#### General approvals



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 1059	E45172
UL Underwriters Laboratories Inc.	UL 1977	E 45171

#### Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Z00004428.000

#### Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	24-0152298-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23

### Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 769-162/769-313	<a href="#">↓</a>

## Documentation

### Bid Text

769-162/769-313	19.02.2019	xml 3.01 KB	<a href="#">↓</a>
769-162/769-313	04.10.2017	doc 25.00 KB	<a href="#">↓</a>

## CAD/CAE-Data

### CAD data

2D/3D Models  
769-162/769-313



### CAE data

EPLAN Data Portal  
769-162/769-313



WSCAD Universe  
769-162/769-313



ZUKEN Portal  
769-162/769-313



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Female connector/socket



**Item No.: 769-102/022-000**

1-conductor female connector, angled; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; 4,00 mm²; gray

**Item No.: 769-102**

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; 4,00 mm²; gray

### 1.2 Required Accessories

#### 1.2.1 End plate

##### 1.2.1.1 End plate



**Item No.: 769-309**

End and intermediate plate; 1.1 mm thick; gray

**Item No.: 769-310**

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 End plate

##### 1.3.4.1 End plate



**Item No.: 769-313**

Separator plate; 1.1 mm thick; oversized; orange

### 1.3.5 Installation

#### 1.3.5.1 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

### 1.3.6 Jumper

#### 1.3.6.1 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

### 1.3.7 Marking

#### 1.3.7.1 Marker



**Item No.: 2009-145**

Mini-WSB In-line; 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

### 1.3.8 Plug

#### 1.3.8.1 AND gate module



**Item No.: 286-826**

AND gate module with 6 inputs; light gray

#### 1.3.8.2 Component module with a fuse



**Item No.: 286-891**

Component module with fuse; for (5 x 20) mm microfuse; Nominal voltage: 230 VAC/DC; gray



**Item No.: 286-890**

Component module with fuse; for (5 x 20) mm microfuse; Nominal voltage: 24 VAC/DC; gray

### 1.3.8.3 Component module with diode



**Item No.: 286-809**

Component module with diode; with 9 pcs;  
Diode 1N4007; with common anode; gray

### 1.3.8.4 Component module with LED



**Item No.: 286-822**

Component module with LED; Red LED;  
with common cathode

### 1.3.8.5 Current flow monitoring module



**Item No.: 286-664**

Current flow monitoring module; AC currents;  
Monitoring range: 0.2 A – 3 A; 1  
changeover contact; light gray



**Item No.: 286-665**

Current flow monitoring module; AC currents;  
Monitoring range: 1 A – 10 A; 1  
changeover contact; light gray

### 1.3.8.6 Empty component plug housing



**Item No.: 280-804**

Empty component plug housing; 10 mm  
wide; Type 3; 4-pole; gray



**Item No.: 286-113**

Empty component plug housing; Type 12;  
25 mm wide; 10-pole; gray



**Item No.: 786-103**

Empty component plug housing; Type 16;  
25 mm wide; 10-pole; gray



**Item No.: 286-110**

Empty component plug housing; Type 9;  
10 mm wide; 4-pole; gray

### 1.3.8.7 Optocoupler module



**Item No.: 286-791**

Optocoupler module; Nominal input voltage:  
24 VDC; Output voltage range: 20 ...  
60 VDC; Limiting continuous current: 0.1  
A; 2-wire connection; Frequency: 3 kHz;  
Red status indicator; Module width: 10  
mm; gray



**Item No.: 286-794**

Optocoupler module; Nominal input voltage:  
24 VDC; Red status indicator; gray

### 1.3.8.8 Relay module



**Item No.: 286-368/004-000**

Relay module; Nominal input voltage: 24  
VDC; 1 break contact; Limiting continuous  
current: 3 A; Railway; Red status indicator;  
Module width: 10 mm; gray



**Item No.: 286-368**

Relay module; Nominal input voltage: 24  
VDC; 1 break contact; Limiting continuous  
current: 5 A; Red status indicator;  
Module width: 10 mm; gray



**Item No.: 286-364/004-000**

Relay module; Nominal input voltage: 24  
VDC; 1 make contact; Limiting continuous  
current: 3 A; Railway; Red status indicator;  
Module width: 10 mm; gray



**Item No.: 286-364**

Relay module; Nominal input voltage: 24  
VDC; 1 make contact; Limiting continuous  
current: 5 A; Red status indicator; Module  
width: 10 mm; gray



**Item No.: 286-336/001-000**

Relay module; Nominal input voltage: 24  
VDC; 2 break and 2 make contacts; Red  
status indicator; Module width: 25 mm;  
gray



**Item No.: 286-344/004-000**

Relay module; Nominal input voltage: 24  
VDC; 3 break contacts and 1 make contact;  
Railway; Red status indicator; Module  
width: 25 mm; gray



**Item No.: 286-352/004-000**

Relay module; Nominal input voltage: 24  
VDC; 4 make contacts; Limiting continuous  
current: 5 A; Railway; Red status indicator;  
Module width: 25 mm; gray

### 1.3.8.9 S0 interface power supply unit



**Item No.: 286-742**

S0 interface power supply; Input voltage: 230 VAC; S0 interface

### 1.3.9 Push-in type wire jumper

#### 1.3.9.1 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

### 1.3.10 Test and measurement

#### 1.3.10.1 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 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

### 1.3.11 Tool

#### 1.3.11.1 Operating tool

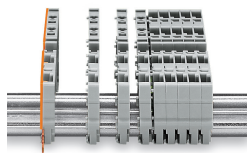


**Item No.: 210-720**

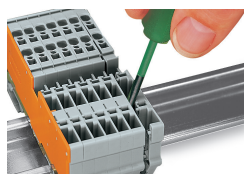
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

## Installation Notes

### Installation

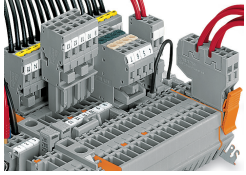


Snap individual carrier terminal blocks on to the DIN-rail and slide together.

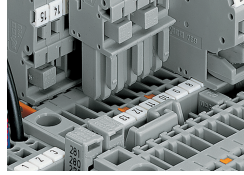


Open the assembly by laterally sliding a block via operating tool and remove terminal block via release lever.

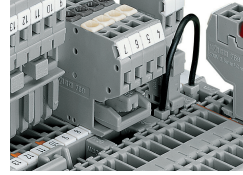
### Commoning



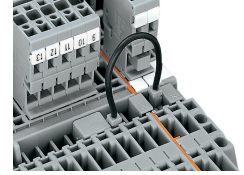
Commoning with adjacent or staggered jumpers.  
Push jumpers down until fully inserted.



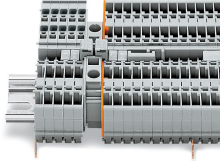
Commoning carrier terminal blocks via staggered jumpers.



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

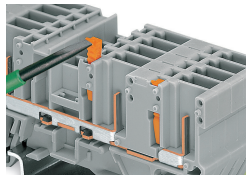


Commoning carrier terminal blocks via push-in type wire jumpers or adjacent jumpers – even over an intermediate plate.



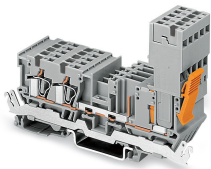
Commoning "supply terminal blocks" (up to 10 mm<sup>2</sup>/8 AWG) with carrier terminal blocks via step-down jumpers.

### Coding

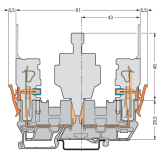


Snap coding pin in proper direction on carrier terminal block.  
Shown: Coding pin removal from carrier terminal block.

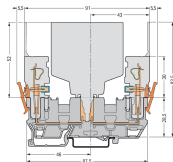
### Locking system



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



Carrier terminal block  
For other dimensions, see carrier terminal block (769-151).



Carrier terminal block