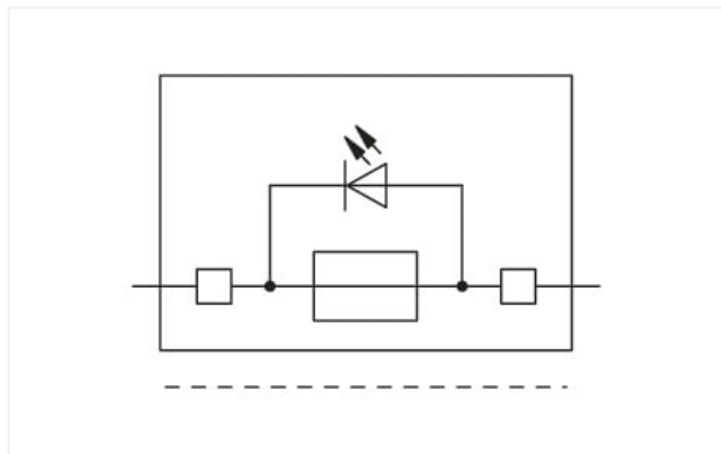


# Data Sheet | Item Number: 2004-911/1000-541

Fuse plug; with pull-tab; for 5 x 20 mm miniature metric fuse; with indicator lamp; 12 - 30 V; 6.1 mm wide; gray

<https://www.wago.com/2004-911/1000-541>



Color: ■ gray

## Electrical data

### Ratings per IEC/EN

Ratings (note)	Electrical ratings are given by the fuse and blown fuse indication.
Nominal voltage (III/3)	250 V
Rated current	6.3 A
Note (rated current)	Leakage current in case of a blown fuse: LED 2.2 mA (at 24 V operating voltage)
Operation status indicator	12 ... 30 V
Blown fuse indication	with indicator lamp

### Ratings per

### IEC/EN 60947-7-3

Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	30 V	-	-
Rated surge voltage	0.8 kV	-	-
Rated current	-	-	-

## Power Loss

Power loss (max.) $P_{I(max)}$ (note)	When selecting glass cartridge fuses, make sure that the maximum power loss listed below is not exceeded. The power loss is determined according to IEC or EN 60947-7-3/VDE 0611-6 at 23°C. The temperature rise of the terminal block must be checked according to their application and mounting. Higher ambient temperatures represent an additional impact on miniature fuses. Therefore, in such applications, the rated current must be reduced if necessary. More details are available from the manufacturers.
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## General information

Fuse type	Cylindrical fuse; 5 x 20 mm
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## Physical data

Width	6.1 mm / 0.24 inches
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### Mechanical data

Marking level	Center marking
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### 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	0.063 MJ
Weight	4.2 g

### Environmental requirements

Ambient temperature (operation)	-35 ... +70 °C
Processing temperature	-35 ... +70 °C
Continuous operating temperature	-35 ... +70 °C

### Commercial data

Product Group	22 (TOPJOB S)
eCl@ss 10.0	27-14-11-49
eCl@ss 9.0	27-14-11-49
ETIM 8.0	EC002018
ETIM 7.0	EC002018
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966335880
Customs tariff number	85366990990

### Environmental Product Compliance

CAS-No.	7439-92-1 7440-43-9
REACH Candidate List Substance	Cadmium Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I
SCIP notification number (Austria)	1e4a48c6-0064-490e-ac6a-ec3c668b0629
SCIP notification number (Belgium)	a7b77a4c-892f-45c6-977c-b7434a8089eb
SCIP notification number (Bulgaria)	67898561-c9be-4d53-b264-360fe61b6d1e
SCIP notification number (Czech Republic)	5fb7c54e-2c84-48e5-97b9-93e8546bdcc0
SCIP notification number (Denmark)	e7299153-08ba-4b4d-847d-a3e3e34cff73
SCIP notification number (Finland)	6b15915b-1129-45b5-93ed-6efde2398d15
SCIP notification number (France)	23969b07-7aba-4427-ab09-006ab8e4c69e
SCIP notification number (Germany)	fd791d4c-c0b9-4726-9fe9-eaf4eef536c7
SCIP notification number (Hungary)	7b9d02df-7838-4565-8f7a-7655f3442c41
SCIP notification number (Italy)	c03344c2-ed06-487a-b9e0-edbaaa6e80a7
SCIP notification number (Netherlands)	b0f648af-1f80-482d-ba25-655dbc0bd1eb
SCIP notification number (Poland)	fde575b2-04cd-4afe-8eda-839bed476a92
SCIP notification number (Romania)	f3e8f1d9-508e-4313-ac3a-b5681841f52c
SCIP notification number (Sweden)	a24031b3-7b22-40f2-bbbf-3bc6bdd17179

**Approvals / Certificates**

**General approvals**



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7941
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-124163
UL Underwriters Laboratories Inc.	UL 1059	E45172

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



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

**Downloads**

**Environmental Product Compliance**

Compliance Search
Environmental Product Compliance 2004-911/1000-541 <a href="#">↓</a>

**Documentation**

Additional Information
Technical Section pdf 2240.62 KB <a href="#">↓</a>

Bid Text			
2004-911/1000-541	19.02.2019	xml 2.99 KB	<a href="#">↓</a>
2004-911/1000-541	07.08.2018	docx 13.84 KB	<a href="#">↓</a>

**CAD/CAE-Data**

CAD data
2D/3D Models 2004-911/1000-541 <a href="#">↓</a>

CAE data
WSCAD Universe 2004-911/1000-541 <a href="#">↓</a>
ZUKEN Portal 2004-911/1000-541 <a href="#">↓</a>

1 Compatible Products

1.1 Optional Accessories

1.1.1 Jumper

1.1.1.1 Jumper



**Item No.: 281-503**

Short circuit jumper; for fuse holder; silver-colored

1.1.2 Marking

1.1.2.1 Marker



**Item No.: 793-5501/000-006**

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



**Item No.: 793-5501/000-007**

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



**Item No.: 793-5501/000-023**

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



**Item No.: 793-5501/000-017**

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



**Item No.: 793-5501/000-012**

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



**Item No.: 793-5501/000-005**

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



**Item No.: 793-5501/000-024**

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



**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.: 793-5501/000-002**

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

**Item No.: 794-5615**

WMB marking card; as card; MARKED; F1, ..., F10 (10x); stretchable 5 - 5.2 mm; Vertical marking; snap-on type; white

**Item No.: 794-5616**

WMB marking card; as card; MARKED; F11, ..., F20 (10x); stretchable 5 - 5.2 mm; Vertical marking; snap-on type; white

**Item No.: 794-5617**

WMB marking card; as card; MARKED; F21, ..., F30 (10x); stretchable 5 - 5.2 mm; Vertical marking; snap-on type; white



**Item No.: 794-5618**

WMB marking card; as card; MARKED; F31, ..., F40 (10x); stretchable 5 - 5.2 mm; Vertical marking; snap-on type; white

**Item No.: 794-5619**

WMB marking card; as card; MARKED; F41, ..., F50 (10x); stretchable 5 - 5.2 mm; Vertical marking; snap-on type; white

**Item No.: 793-501/000-006**

WMB marking card; as card; not stretchable; plain; snap-on type; blue

**Item No.: 793-501/000-007**

WMB marking card; as card; not stretchable; plain; snap-on type; gray



**Item No.: 793-501/000-023**

WMB marking card; as card; not stretchable; plain; snap-on type; green



**Item No.: 793-501/000-017**

WMB marking card; as card; not stretchable; plain; snap-on type; light green



**Item No.: 793-501/000-012**

WMB marking card; as card; not stretchable; plain; snap-on type; orange



**Item No.: 793-501/000-005**

WMB marking card; as card; not stretchable; plain; snap-on type; red



**Item No.: 793-501/000-024**

WMB marking card; as card; not stretchable; plain; snap-on type; violet

**Item No.: 793-501**

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



**Item No.: 793-501/000-002**

WMB marking card; as card; not stretchable; plain; snap-on type; yellow



**Item No.: 2009-115/000-006**

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



**Item No.: 2009-115/000-007**

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



**Item No.: 2009-115/000-023**

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



**Item No.: 2009-115/000-017**

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



**Item No.: 2009-115/000-012**

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



**Item No.: 2009-115/000-024**

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



**Item No.: 2009-115**

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



**Item No.: 2009-115/000-002**

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

### 1.1.2.2 Marking strip



**Item No.: 2009-110**

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

### 1.1.3 Screwless end stop

#### 1.1.3.1 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

### 1.1.4 Terminal blocks

#### 1.1.4.1 Carrier terminal block



**Item No.: 2002-2961**

Double-deck carrier terminal block; L/L; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-2963**

Double-deck carrier terminal block; L/N; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-2941**

Double-deck, double-disconnect terminal block; L/L; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

#### 1.1.4.2 Carrier terminal block for modules and plugs



**Item No.: 2002-1661**

2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-1662**

2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; orange



**Item No.: 2002-1961**

2-conductor carrier terminal block; with additional jumper position; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2202-1661**

2-conductor carrier terminal block; with push-button; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2202-1961**

2-conductor carrier terminal block; with push-button; with additional jumper position; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-1761**

3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2202-1761**

3-conductor carrier terminal block; with push-button; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-1861**

4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2202-1861**

4-conductor carrier terminal block; with push-button; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-2941**

Double-deck, double-disconnect terminal block; L/L; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

### 1.1.4.3 Double-deck terminal block



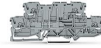
**Item No.: 2002-2961**

Double-deck carrier terminal block; L/L; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-2963**

Double-deck carrier terminal block; L/N; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2002-2941**

Double-deck, double-disconnect terminal block; L/L; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm<sup>2</sup>; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

### 1.1.4.4 Multilevel installation terminal block



**Item No.: 2003-6662**

Multilevel installation terminal block; with operating slots; 2.5 mm<sup>2</sup>; Carrier terminal block without knife; L/L/PE; green-yellow lower deck; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2003-6661**

Multilevel installation terminal block; with operating slots; 2.5 mm<sup>2</sup>; Carrier terminal block without knife; L/N/PE; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2003-6640**

Multilevel installation terminal block; with operating slots; 2.5 mm<sup>2</sup>; Carrier terminal block without knife; N/L/PE; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2003-6660**

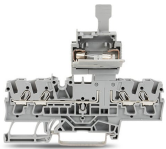
Multilevel installation terminal block; with operating slots; 2.5 mm<sup>2</sup>; Carrier terminal block without knife; P1/P2/PE; brown upper-deck; black middle-deck; green-yellow lower deck; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray



**Item No.: 2003-6643**

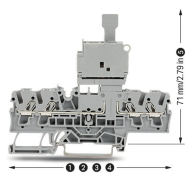
Multilevel installation terminal block; with operating slots; 2.5 mm<sup>2</sup>; Carrier terminal block without knife; P2/P1/PE; black upper deck; brown middle deck; green-yellow lower deck; Push-in CAGE CLAMP®; 2,50 mm<sup>2</sup>; gray

## Installation Notes



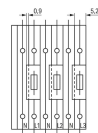
Using fuse plugs with rail-mount terminal blocks for control circuit protection is highly advantageous because the function and wiring levels are separated:

- No additional cost for assembly and wiring
  - No risk of accidental contact with live parts when disconnecting the fuse plug
  - The fuse plug is completely separated from the carrier terminal block when replacing a fuse – away from current carrying parts
  - The fuse plug can be removed by service personnel
  - No unintentional reclosing of the circuit by another person
  - Quickly exchange a fuse by using a prepared "stand-by plug"
- Fuse plug features for quick and safe applications:
- Optional LED indicates blown fuse.
  - Top-of-unit marking slot provides clear carrier terminal block identification.
  - Two test slots with touch contacts
  - Terminal blocks/plugs provide high-density wiring in a width of just 5.2/6.1 mm.
  - May be used as a disconnect plug in combination with a shorting link.



**Fuse plug dimensions:**

66.1 mm / 2.62 inch for 2002-1661  
76.8 mm / 3.02 inch for 2002-1761  
87.5 mm / 3.45 inch for 2002-1861  
72.9 mm / 2.87 inch for 2002-1961  
with inserted fuse plug



Open side of terminal block left

**Please note:**

The extra width of the plug (6.1 mm compared to 5.2 mm for carrier terminal blocks) must be compensated for with intermediate plates (1 mm) when building an assembly of carrier terminal blocks equipped with fuse plugs.