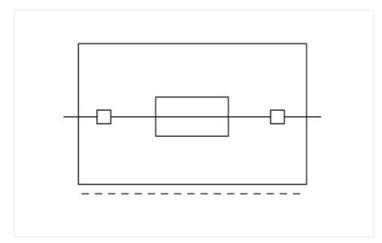
Fuse plug; with pull-tab; for miniature metric fuses 5×20 mm and 5×25 mm; with port for LED; 6 mm wide; gray









Color: ■ gray

Fuse plug, 281 Series, gray

Easy electrical installations are guaranteed with this fuse plug (item number 281-512). The gray housing is made of polyamide (PA66) for insulation.

Electrical data Ratings per IEC/EN Nominal voltage (III/3) Ratings per IEC/EN – Notes Ratings (note) Electrical ratings are given by the fuse. Rated current 6.3 A Operation status indicator None

Power Loss		General information	
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	Fuse type	Cylindrical fuse; 5 x 20 mm and 5 x 25 mm
	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.		

Physical data		
Width	6 mm / 0.236 inches	

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Mechanical data Marking level Center marking

Material data	
Note (material data)	
	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.076 MJ
Weight	6.1 g

Environmental requirements

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

Commercial data	
Product Group	1 (Rail Mounted Terminal Blocks)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	CN
GTIN	4050821032557
Customs tariff number	85366990990

Product classification UNSPSC 39121624 eCl@ss 10.0 27-14-11-49 eCl@ss 9.0 27-14-11-49 ETIM 9.0 EC002018 ETIM 8.0 EC002018 **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	2160584.53
CSA CSA Group	C22.2	1505034
KEMA/KEUR DEKRA Certification B.V.	EN 60947	NTR NL-7135
UL Underwriters Laboratories Inc.	UL 1059	20170731-E45172

Declarations of conformity and manufacturer's declarations

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

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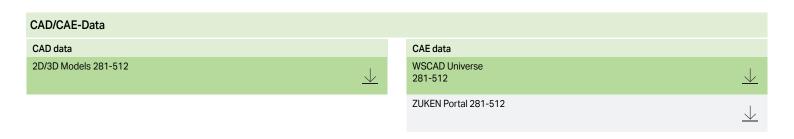
Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	EN 60947	20-HG1941090-PDA
ABS American Bureau of Ship- ping	-	20-HG1941090-PDA

Downloads Environmental Product Compliance Compliance Search Environmental Product Compliance 281-512

Documentation			
Bid Text			
281-512	19.02.2019	xml 2.92 KB	\perp
281-512	14.03.2017	doc 24.00 KB	$\underline{\downarrow}$



1 Compatible Products 1.1 Optional Accessories 1.1.1 Jumper 1.1.1 Jumper

Item No.: 281-503 Short circuit jumper; for fuse holder; silvercolored

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1.1.2 Marking

1.1.2.1 Marker

Item No.: 794-4615

WMB marking card; as card; MARKED; F1, ..., F10 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white



WMB marking card; as card; MARKED; F11, ..., F20 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white



WMB marking card; as card; MARKED; F21, ..., F30 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white

Item No.: 794-4618

WMB marking card; as card; MARKED; F31, ..., F40 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white



Item No.: 794-4619

WMB marking card; as card; MARKED; F41, ..., F50 (10x); stretchable 4 - 4.2 mm; Vertical marking; snap-on type; white

Item No.: 793-4501/000-006

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; blue

Item No.: 793-4501/000-014

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; brown

Item No.: 793-4501/000-007

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; gray



Item No.: 793-4501/000-023

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; green



WMB marking card; as card; stretchable

4 - 4.2 mm; plain; snap-on type; orange

Item No.: 793-4501/000-005

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; red



Item No.: 793-4501/000-024

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; violet



Item No.: 793-4501

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; white



Item No.: 793-4501/000-012

WMB marking card; as card; stretchable 4 - 4.2 mm; plain; snap-on type; yellow



Item No.: 2009-114/000-006 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; blue

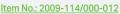


WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; gray



Item No.: 2009-114/000-023

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; green



WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; orange

Item No.: 2009-114/000-005

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; red



Item No.: 2009-114/000-024 WMB-Inline; for Smart Printer; 2000 pie-

Item No.: 2009-114

WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; white

Item No.: 2009-114/000-002 WMB-Inline; for Smart Printer; 2000 pieces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; yellow

ces on roll; stretchable 4 - 4.2 mm; plain; snap-on type; violet

1.1.3 Terminal blocks

1.1.3.1 Carrier terminal block



Double-deck terminal block; for DIN-rail

35 x 15 and 35 x 7.5; 2.5 mm2; CAGE

CLAMP®; 2,50 mm²; blue/gray

Item No.: 280-514

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray



Item No.: 280-528

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm2; CAGE CLAMP®; 2,50 mm²; gray/gray



Item No.: 280-532

Double-deck terminal block; with additional jumper position on lower level; for DINrail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; blue/gray

Continued on next page



Item No.: 280-891

Item No.: 280-531

Double-deck terminal block; with additional jumper position on lower level; for DINrail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray

Item No.: 280-510

Triple-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm2; CAGE CLAMP®; 2,50 mm²; green-yellow/blue/ gray



Triple-deck terminal block; with additional jumper position on lower level; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray/gray



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1.1.3.2 Carrier terminal block for modules and plugs





2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CA-GE CLAMP®; 4,00 mm²; blue



Item No.: 281-916

2-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CA-GE CLAMP®; 4,00 mm²; gray



Item No.: 281-610

3-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CA-GE CLAMP®; 4,00 mm²; gray



Item No.: 281-656

4-conductor carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 4 mm²; CA-GE CLAMP®; 4,00 mm²; gray

1.1.3.3 Double-deck terminal block



Item No.: 280-531

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; blue/gray



Item No.: 280-514

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray



Item No.: 280-528

Double-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray



Item No.: 280-532

Double-deck terminal block; with additional jumper position on lower level; for DINrail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; blue/gray

distriction of the second

Item No.: 280-891

Double-deck terminal block; with additional jumper position on lower level; for DINrail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray

1.1.3.4 Triple-deck terminal block





Item No.: 280-510

Triple-deck terminal block; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; green-yellow/blue/ gray

Item No.: 280-889

Triple-deck terminal block; with additional jumper position on lower level; for DIN-rail 35 x 15 and 35 x 7.5; 2.5 mm²; CAGE CLAMP®; 2,50 mm²; gray/gray/gray

Installation Notes



Length of carrier terminal blocks with a fuse plug:

73.5 mm / 2.89 inch für 281-610

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Testing



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 6 mm
- May be used as a disconnect plug in combination with a shorting link



Open side of terminal block let

When a corresponding neutral circuit is adjacent to the fuse plug, a 5 mm wide space-saving terminal block may be used as a 6 mm fuse plug may overlap the terminal block (see diagram).

For example, 5 mm (0.197 inch) wide carrier terminal blocks can be used with an end plate.

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