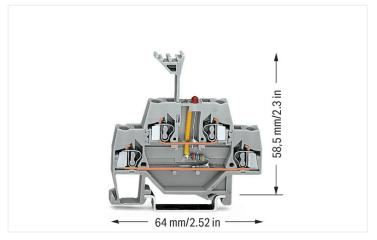
Component terminal block; double-deck; LED (red); 24 VDC; for DIN-rail 35 x 15 and

35 x 7.5; 2.5 mm²; CAGE CLAMP[®]; gray

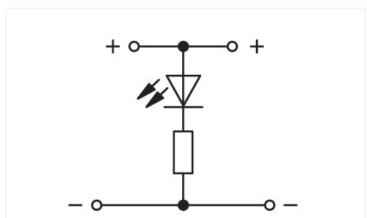
https://www.wago.com/280-943/281-413







Color: ■ gray



Double-deck terminal block, 280 Series, gray

This double-deck terminal block (item number 280-943/281-413) simplifies electrical installations. The double-deck terminal block also serves as component terminal block with led. Conductors can only be connected to this double-deck terminal block if their strip length is between 8 mm and 9 mm. This product features conductor terminals and utilizes CAGE CLAMP®. Our reliable and maintenance-free CAGE CLAMP® connection makes it easy to connect all conductor types without having to prepare the conductor. For example, you don't need to crimp ferrules. This double-deck terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 2.5 mm². It comes with two levels and four clamping points for connecting two potentials. The gray housing is made of polyamide (PA66) for insulation. These function terminal blocks are mounted using DIN-35 rails.

Electrical data			
Ratings per	IEC	/EN 60947-	7-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	-	-	-
Rated surge voltage	-	-	-
Rated current	-	-	-

General information	
Voltage type 1	DC
Nominal voltage	24 V

https://www.wago.com/280-943/281-413



Connection data		
Clamping units	4	
Total number of potentials	2	
Number of levels	2	

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper Aluminum
Connectable conductor materials (note)	Terminating Aluminum Conductors WAGO Spring-Clamp Terminal Blocks are

WAGO Spring-Clamp Terminal Blocks are suitable for solid aluminum conductors up to 4 mm²/12 AWG if WAGO "Alu-Plus" Contact Paste 249-130 is used for termination.

"Alu-Plus" Contact Paste Advantages:

- Automatically destroys the oxide film during clamping.
- Prevents fresh oxidation at the clamping point.
- Prevents electrolytic corrosion between aluminum and copper conductors (in the same terminal block).
- Provides long-term protection against corrosion.

Using terminal blocks with CAGE CLAMP® Spring Pressure Connection Technology, aluminum conductors must first be cleaned with a blade and then immediately inserted into the clamping units filled with "Alu-Plus" contact paste.

It is also possible to apply WAGO "Alu-Plus" **additionally** on the whole surface of the aluminum conductor before termination.

Please note that the nominal currents must be adapted to the reduced conductivity of the aluminum conductors:: 2.5 mm² = 16 A 4 mm² = 22 A

Wiring direction Front-entry wiring

Physical data	
Width	5 mm / 0.197 inches
Height	64 mm / 2.52 inches
Depth from upper-edge of DIN-rail	58.5 mm / 2.303 inches

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

Data Sheet | Item Number: 280-943/281-413 https://www.wago.com/280-943/281-413



Material data	
Note (material data)	Information on material anguifications can be found here
	<u>Information on material specifications can be found here</u>
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.234 MJ
Weight	10.1 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	DE
GTIN	4045454461331
Customs tariff number	85369010000

Product classification	
UNSPSC	39121410
eCl@ss 10.0	27-14-11-27
eCl@ss 9.0	27-14-11-27
ETIM 9.0	EC000903
ETIM 8.0	EC000903
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificate	9S				
General approvals			Declarations of confor	rmity and manufacturer	s declarations
KEMA			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Conformity	-	-
KEMA/KEUR	EN 60947	71-154769	WAGO GmbH & Co. KG		
DEKRA Certification B.V.	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-		

https://www.wago.com/280-943/281-413



Approvals for marine applications



Standard **Certificate Name** ABS EN 60947

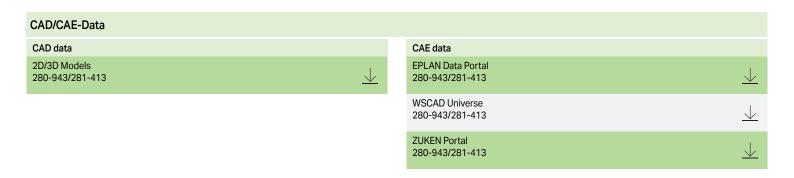
American Bureau of Ship-

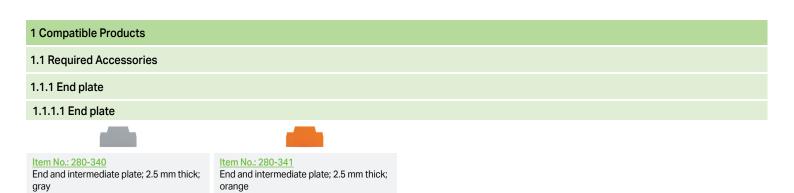
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20-HG1941090-PDA

Downloads **Environmental Product Compliance** Compliance Search **Environmental Product** Compliance 280-943/281-413

Documentation			
Bid Text			
280-943/281-413	19.02.2019	xml 3.22 KB	$\underline{\downarrow}$
280-943/281-413	27.04.2017	doc 24.50 KB	\downarrow







1.2 Optional Accessories

1.2.1 DIN-rail

1.2.1.1 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



Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored



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

Item No.: 210-198

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



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

1.2.2 Female connector

1.2.2.1 Female connector/socket





Item No.: 722-240/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 10-pole; light gray



Item No.: 722-242/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 12-pole; light gray



Item No.: 722-244/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 14-pole; light gray



Item No.: 722-246/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 16-pole; light gray



Item No.: 722-232/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 2-pole; light gray



Item No.: 722-233/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 3-pole; light gray



Item No.: 722-234/005-000/039-000 Item No.: 722-235/005-000/039-000

Female connector for rail-mount terminal Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking leprotected against mismating; Locking lever; Pin spacing 5 mm; 4-pole; light gray ver; Pin spacing 5 mm; 5-pole; light gray



Item No.: 722-236/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 6-pole; light gray



Female connector for rail-mount terminal

protected against mismating; Locking le-

ver; Pin spacing 5 mm; 7-pole; light gray

Item No.: 722-237/005-000/039-000

blocks; 0.6 x 1 mm pins; angled; 100%

Item No.: 722-239/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 9-pole; light gray



Item No.: 722-240/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 10-pole; light gray



Item No.: 722-241/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 11-pole; light gray



Female connector for rail-mount terminal

protected against mismating; Pin spacing

blocks; 0.6 x 1 mm pins; angled; 100%

Item No.: 722-243/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 13-pole; light gray



Item No.: 722-244/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 14-pole; light gray



Item No.: 722-246/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 16-pole; light gray



5 mm; 12-pole; light gray

Item No.: 722-242/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 20-pole; light gray



Item No.: 722-232/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 2-pole; light gray



Item No.: 722-233/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 3-pole; light gray

1.2.2.1 Female connector/socket



Item No.: 722-234/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 4-pole; light gray



Item No.: 722-235/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 5-pole; light gray



Item No.: 722-236/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 6-pole; light gray



Item No.: 722-237/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 7-pole; light gray



Item No.: 722-238/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 8-pole; light gray



Item No.: 722-239/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismating; Pin spacing 5 mm; 9-pole; light gray



Female connector for rail-mount terminal

blocks: 0.6 x 1 mm pins; angled: Locking

lever; Pin spacing 5 mm; 10-pole; gray

Item No.: 232-242/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 12-pole; gray



Item No.: 232-246/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 16-pole; gray



Item No.: 232-250/005-000/039-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 20-pole; gray



Female connector for rail-mount terminal

blocks; 0.6 x 1 mm pins; angled; Locking

Item No.: 232-233/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 3-pole; gray





Item No.: 232-234/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 4-pole; gray



Item No.: 232-235/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Locking lever; Pin spacing 5 mm; 5-pole; gray



Female connector for rail-mount terminal

blocks; 0.6 x 1 mm pins; angled; Locking

lever; Pin spacing 5 mm; 6-pole; gray

Item No.: 232-240/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 10-pole; gray



Item No.: 232-242/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 12-pole; gray



Item No.: 232-246/005-000 Item No.: 232-250/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 16-pole; gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 20-pole; gray



Item No.: 232-232/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 2-pole; gray



Item No.: 232-233/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 3-pole; gray



Item No.: 232-234/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 4-pole; gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 5-pole; gray

Item No.: 232-236/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 6-pole; gray



Item No.: 232-237/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 7-pole; gray

Item No.: 232-238/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 8-pole; gray

Item No.: 232-239/005-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; Pin spacing 5 mm; 9-pole; gray

Item No.: 722-140/005-000/039-000 Female connector for rail-mount terminal

blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 10-pole; light gray



Item No.: 722-144/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 14-pole; light gray



Item No.: 722-146/005-000/039-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 16-pole; light gray



Item No.: 722-150/005-000/039-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 20-pole; light gray



Item No.: 722-132/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 2-pole; light gray



Item No.: 722-133/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 3-pole; light gray



Item No.: 722-134/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 4-pole; light gray



Item No.: 722-135/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 5-pole; light gray



Item No.: 722-136/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 6-pole; light gray



Item No.: 722-137/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 7-pole; light gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 8-pole; light gray



Item No.: 722-139/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Locking lever; Pin spacing 5 mm; 9-pole; light gray



Item No.: 722-140/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 10-pole; light gray

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1.2.2.1 Female connector/socket



Item No.: 722-141/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 11-pole; light gray



Item No.: 722-142/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 12-pole; light gray



Item No.: 722-143/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 13-pole; light gray



Item No.: 722-144/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 14-pole; light gray



Item No.: 722-145/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 15-pole; light gray



Item No.: 722-146/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 16-pole; light gray

Female connector for rail-mount terminal

protected against mismating; Pin spacing

blocks; 0.6 x 1 mm pins; straight; 100%



Item No.: 722-150/005-000 Female connector for rail-mount terminal

blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 20-pole; light gray



Item No.: 722-132/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 2-pole; light gray



Item No.: 722-133/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 3-pole; light gray



5 mm; 4-pole; light gray

Item No.: 722-135/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 5-pole; light gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 6-pole; light gray



Item No.: 722-137/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 7-pole; light gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 8-pole; light gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 9-pole; light gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 10-pole; gray



Item No.: 232-142/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 12-pole; gray



Item No.: 232-146/005-000/039-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 16-pole; gray

Item No.: 232-150/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 20-pole; gray

Item No.: 232-132/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 2-pole; gray



Item No.: 232-133/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 3-pole; gray



Item No.: 232-134/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 4-pole; gray

Item No.: 232-138/005-000/039-000

lever; Pin spacing 5 mm; 8-pole; gray

Item No.: 232-146/005-000

cing 5 mm; 16-pole; gray

Female connector for rail-mount terminal

blocks; 0.6 x 1 mm pins; straight; Locking

Item No.: 232-135/005-000/039-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 5-pole; gray

Item No.: 232-136/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 6-pole; gray



Item No.: 232-137/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 7-pole; gray



Item No.: 232-139/005-000/039-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Locking lever; Pin spacing 5 mm; 9-pole; gray

Item No.: 232-140/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 10-pole; gray



Item No.: 232-142/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 12-pole; gray



Female connector for rail-mount terminal

blocks; 0.6 x 1 mm pins; straight; Pin spa-

Item No.: 232-150/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 20-pole; gray

Item No.: 232-132/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 2-pole; gray



Item No.: 232-133/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 3-pole; gray



Female connector for rail-mount terminal

blocks: 0.6 x 1 mm pins; straight; Pin spa-

Item No.: 232-135/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 5-pole; gray



Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 6-pole; gray



Item No.: 232-137/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 7-pole; gray

cing 5 mm; 4-pole; gray

Item No.: 232-134/005-000

Item No.: 232-138/005-000 Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 8-pole; gray

Item No.: 232-139/005-000

Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; Pin spacing 5 mm; 9-pole; gray



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1.2.3 Ferrule

1.2.3.1 Ferrule

Item No.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

Item No.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

Item No.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white

Item No.: 216-101

Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored

Item No.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray

Item No.: 216-102

Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

Item No.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red

Item No.: 216-103

Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated

Item No.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black

Item No.: 216-104

Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored

1.2.4 Installation

1.2.4.1 Cover



Item No.: 709-154

Cover; Type 2; suitable for cover carrier, type 2; 1 m long; transparent

1.2.4.2 Cover carrier



Item No.: 709-168

Cover carrier; Type 2; incl. fixing/retaining screws and knurled nut; suitable for 283 to 285 Series rail-mounted terminal blocks; suitable for 279 to 281 Series double- and triple-deck terminal blocks; suitable for 780 to 785, 775, 776 and 777 Series TOPJOB® rail-mounted terminal blocks; suitable for 280 Series sensor and actuator terminal blocks; suitable for 282 Series disconnect/test terminal blocks for transformer circuits; gray

1.2.4.3 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 35×15 and 35×7.5 ; gray

https://www.wago.com/280-943/281-413



1.2.5 Insulation stop

1.2.5.1 Insulation stop



Item No.: 280-470

Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm2 "f-st"); 5 pieces/strip; white



Item No.: 280-471

Insulation stop; 0.25 - 0.5 mm2; 5 pieces/ strip; light gray



Item No.: 280-472

Insulation stop; 0.75 - 1 mm2; 5 pieces/ strip; black

1.2.6 Jumper

1.2.6.1 Jumper



Item No.: 280-490

Jumper; 10-way; insulated; gray

Item No.: 280-482

Jumper; 2-way; insulated; gray

Item No.: 280-492

Jumper; 2-way; insulated; gray

Item No.: 280-483

Jumper; 3-way; insulated; gray



Item No.: 280-484

Jumper; 4-way; insulated; gray

Item No.: 280-485

Jumper; 5-way; insulated; gray

Item No.: 709-110

Wire commoning chain; 2.5 mm²; insulated: black

Item No.: 709-111

Wire commoning chain; 2.5 mm²; insulated: black



Item No.: 709-112

Wire commoning chain; 2.5 mm²; insulated; black

Item No.: 210-103

Wire commoning chain; insulated; black

Item No.: 210-123

Wire commoning chain; insulated; blue

1.2.7 Male connector

1.2.7.1 Male connector/plug



Item No.: 231-170/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 10-pole; gray



Item No.: 231-171/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 11-pole; gray



Item No.: 231-172/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 12-pole; gray



Item No.: 231-176/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 16-pole; gray



Item No.: 231-162/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 2-pole; gray



Item No.: 231-163/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 3-pole; gray



Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 4-pole; gray

Item No.: 231-165/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 5-pole; gray



Item No.: 231-168/003-000

spacing 5 mm; 8-pole; gray

Item No.: 231-167/003-000

blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 7-pole; gray

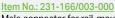


Male connector for rail-mount terminal

blocks; 1.2 x 1.2 mm pins; straight; Pin

Item No.: 231-169/003-000

Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 9-pole; gray



Male connector for rail-mount terminal blocks; 1.2 x 1.2 mm pins; straight; Pin spacing 5 mm; 6-pole; gray

Male connector for rail-mount terminal

https://www.wago.com/280-943/281-413



1.2.8 Marking

1.2.8.1 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.: 793-5501/000-012

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.: 793-5501/000-002

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.: 793-501/000-017

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



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



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

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



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.: 793-5501/000-005

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.: 793-501/000-006

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



Item No.: 793-501/000-012

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



Item No.: 793-501/000-002

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



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.: 2009-115/000-002

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



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.: 793-5501/000-024

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.: 793-501/000-007

Item No.: 793-501/000-005

ble; plain; snap-on type; red

Item No.: 2009-115/000-006

Item No.: 2009-115/000-012

snap-on type; orange

snap-on type; blue

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

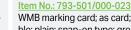
WMB marking card; as card; not stretcha-

WMB-Inline; for Smart Printer; 1500 pie-

ces on roll; stretchable 5 - 5.2 mm; plain;

WMB-Inline; for Smart Printer; 1500 pie-

ces on roll; stretchable 5 - 5.2 mm; plain;



Item No.: 793-5501

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

WMB marking card; as card; for terminal

block width 5 - 17.5 mm; stretchable 5 -

5.2 mm; plain; snap-on type; white

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



Item No.: 793-501/000-024

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



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.: 2009-115/000-024

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

1.2.9 Protective warning marker

1.2.9.1 Cover



Item No.: 280-415

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black;

https://www.wago.com/280-943/281-413



1.2.10 Test and measurement

1.2.10.1 Testing accessories

Item No.: 249-142

L-type end module; modular; with rigid contact pin; End module; 1,50 mm²; gray Item No.: 249-143

L-type spacer module; modular; e.g., bridging commoned terminal blocks; gray Item No.: 249-141

L-type test plug module; modular; with spring-loaded contact pin; Center module; 1,50 mm²; gray

1.2.11 Tool

1.2.11.1 Operating tool

Item No.: 210-658

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

Item No.: 210-720

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

Item No.: 210-657

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicolou-

Installation Notes



Circuit-related voltage indications can be created using the following terminal blocks:

280-943/281-434 or 280-943/281-413

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

Current addresses can be found at:: www.wago.com

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