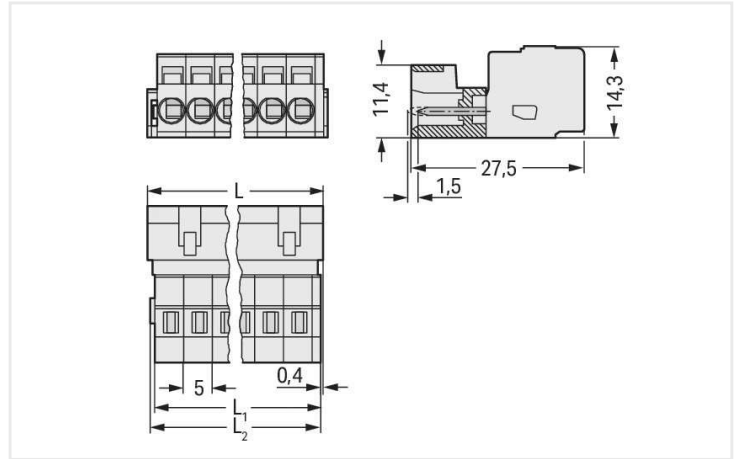
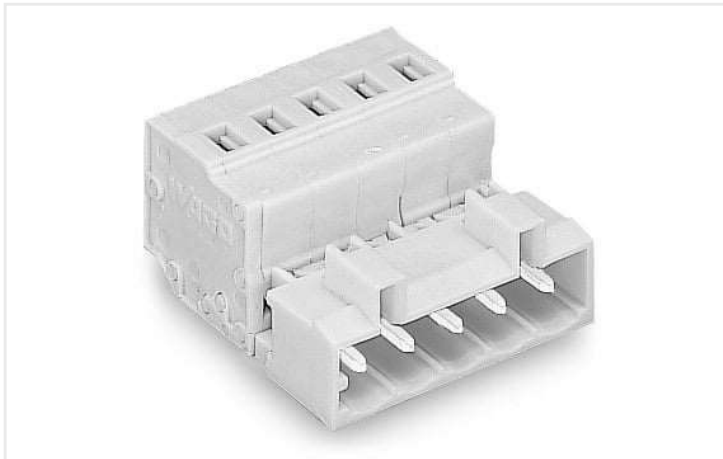


# Data sheet | Item number: 721-616

1-conductor male connector; CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 16-pole;  
100% protected against mismatching; 2,50 mm<sup>2</sup>; light gray

<https://www.wago.com/721-616>

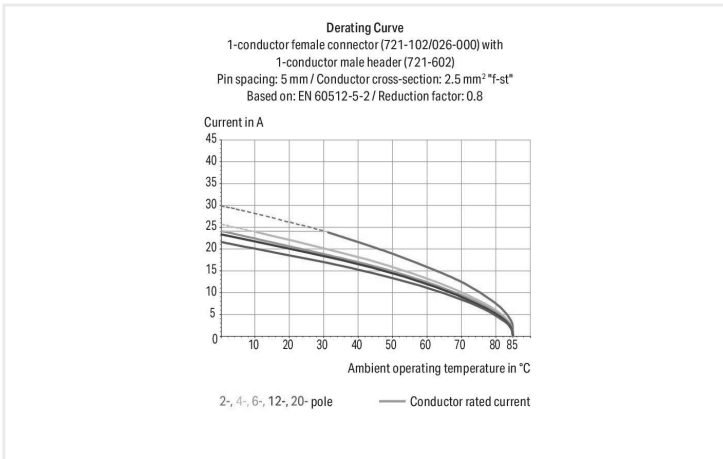


Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$

$L2 = L - 1.7 \text{ mm}$

$L3 = L - 1.2 \text{ mm}$



勝特力電材超市-龍山店 886-3-5773766  
勝特力電材超市-光復店 886-3-5729570  
勝特力電子(上海) 86-21-34970699  
勝特力電子(深圳) 86-755-83298787  
<http://www.100y.com.tw>

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- For wire-to-wire and board-to-wire connections
- Versions available with snap-in mounting feet or flanges for panel or through-panel mounting
- 3- to 5-pole male connectors are also available with preceding ground contact
- 100 % protected against mismatching
- With coding fingers

## Notes

### Safety information 1

The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

### Variants:

Other pole numbers  
Gold-plated or partially gold-plated contact surfaces  
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

### Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	320 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

### Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

### Ratings per UL

Rated voltage (UL 1977)	600 V
Rated current UL 1977	15 A

### Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

## Connection data

Connection points	16
Total number of potentials	16
Number of connection types	1
Number of levels	1

### Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup>
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	16
Conductor entry direction to mating direction	0°

### Physical data

Pin spacing	5 mm / 0.197 inches
Width	83.2 mm / 3.276 inches
Height	14.3 mm / 0.563 inches
Depth	27.5 mm / 1.083 inches

### Mechanical data

Variable coding	Yes
Direct ground contact to DIN-rail/drilled hole/housing	No
Anti-rotation protection	Yes

### Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for conductor
Mismating protection	Yes

### Material data

Note (material data)	<a href="#">Information on material data can be found here</a>
Color	light gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>CU</sub> )
Contact plating	Tin
Fire load	0.436 MJ
Weight	23.9 g

### Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

### Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-44-03-09
eCl@ss 9.0	27-44-03-09
ETIM 8.0	EC002638
ETIM 7.0	EC002638
PU (SPU)	25 Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4044918264730
Customs tariff number VKOrg Germany	85366990990

## Approvals and certificates

### General approvals



Approval	Standard	Certificate name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL Underwriters Laboratories Inc.	UL 1977	E45171
UL Underwriters Laboratories Inc.	UL 1059	E45172

### Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate name
Railway WAGO GmbH & Co. KG	-	Railway Ready

### Approvals for marine applications



Approval	Standard	Certificate name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product  
Compliance 721-616






## Documentation

### Additional Information

Technical Section  
03.04.2019 pdf  
1949.09 KB































CAD/CAE-Data

<p><b>CAD data</b></p> <p>2D/3D Models 721-616 </p>	<p><b>CAE data</b></p> <p>EPLAN Data Portal 721-616 </p> <p>ZUKEN Portal 721-616 </p>
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1 Compatible products

1.1 System counterpart

1.1.1 Female connector/socket

 <p><b>Item no.: 722-116/026-000</b> 1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; 2,50 mm²; light gray</p>	 <p><b>Item no.: 722-216/026-000</b> 1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; 2,50 mm²; light gray</p>	 <p><b>Item no.: 721-316/031-000</b> 1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray</p>	 <p><b>Item no.: 721-316/008-000</b> 1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray</p>
 <p><b>Item no.: 721-116/026-000</b> 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; 2,50 mm²; light gray</p>	 <p><b>Item no.: 721-116/027-000</b> 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray</p>	 <p><b>Item no.: 721-116/031-000</b> 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray</p>	 <p><b>Item no.: 721-116/037-000</b> 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray</p>
 <p><b>Item no.: 721-116/008-000/037-000</b> 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Lateral locking levers; Snap-in mounting feet; 2,50 mm²; light gray</p>	 <p><b>Item no.: 721-116/008-000</b> 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray</p>	 <p><b>Item no.: 2721-116/026-000</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; 2,50 mm²; light gray</p>	 <p><b>Item no.: 2721-116/031-000</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray</p>
 <p><b>Item no.: 2721-116/037-000</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray</p>	 <p><b>Item no.: 2721-116/008-000</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray</p>	 <p><b>Item no.: 2721-120/037-000</b> 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 20-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray</p>	 <p><b>Item no.: 721-2116/037-000</b> 2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray</p>
 <p><b>Item no.: 721-2116/026-000</b> 2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm²; light gray</p>	 <p><b>Item no.: 722-246/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole; light gray</p>	 <p><b>Item no.: 722-246/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; angled; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray</p>	 <p><b>Item no.: 722-146/005-000/039-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Locking lever; Pin spacing 5 mm; 16-pole; light gray</p>
 <p><b>Item no.: 722-146/005-000</b> Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismatching; Pin spacing 5 mm; 16-pole; light gray</p>	 <p><b>Item no.: 722-246</b> THT female header; angled; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray</p>	 <p><b>Item no.: 722-246/031-000</b> THT female header; angled; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray</p>	 <p><b>Item no.: 722-246/039-000</b> THT female header; angled; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray</p>
 <p><b>Item no.: 722-246/047-000</b> THT female header; angled; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Spacer flange; 0.6 x 1.0 mm solder pin; light gray</p>	 <p><b>Item no.: 722-146</b> THT female header; straight; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray</p>	 <p><b>Item no.: 722-146/031-000</b> THT female header; straight; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray</p>	 <p><b>Item no.: 722-146/039-000</b> THT female header; straight; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray</p>

1.1.1 Female connector/socket



**Item no.:** 722-146/047-000  
 THT female header; straight; Pin spacing 5 mm; 16-pole; 100% protected against mismatching; Spacer flange; 0.6 x 1.0 mm solder pin; light gray

1.2 Optional accessories

1.2.1 Coding

1.2.1.1 Coding



**Item no.:** 231-129  
 Coding key; snap-on type; light gray

1.2.2 Cover

1.2.2.1 Cover



**Item no.:** 231-668  
 Lockout caps; for covering unused clamping units; gray

1.2.3 Ferrule

1.2.3.1 Ferrule



**Item no.:** 216-301  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item no.:** 216-321  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item no.:** 216-151  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated



**Item no.:** 216-131  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored



**Item no.:** 216-302  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



**Item no.:** 216-322  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



**Item no.:** 216-132  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated



**Item no.:** 216-152  
 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated



**Item no.:** 216-241  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item no.:** 216-201  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white



**Item no.:** 216-221  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white



**Item no.:** 216-141  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item no.:** 216-101  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored



**Item no.:** 216-121  
 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored
























**Item no.:** 216-242  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray






**Item no.:** 216-262  
 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

1.2.3.1 Ferrule

 <p><u>Item no.: 216-202</u>                  Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray</p>	 <p><u>Item no.: 216-222</u>                  Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray</p>	 <p><u>Item no.: 216-142</u>                  Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>	 <p><u>Item no.: 216-102</u>                  Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored</p>
 <p><u>Item no.: 216-122</u>                  Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored</p>	 <p><u>Item no.: 216-243</u>                  Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>	 <p><u>Item no.: 216-263</u>                  Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>	 <p><u>Item no.: 216-203</u>                  Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red</p>
 <p><u>Item no.: 216-223</u>                  Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red</p>	 <p><u>Item no.: 216-103</u>                  Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated</p>	 <p><u>Item no.: 216-143</u>                  Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>	 <p><u>Item no.: 216-123</u>                  Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated; silver-colored</p>
 <p><u>Item no.: 216-204</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black</p>	 <p><u>Item no.: 216-224</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black</p>	 <p><u>Item no.: 216-244</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>	 <p><u>Item no.: 216-264</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>
 <p><u>Item no.: 216-284</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p>	 <p><u>Item no.: 216-124</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated</p>	 <p><u>Item no.: 216-144</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored</p>	 <p><u>Item no.: 216-104</u>                  Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored</p>
 <p><u>Item no.: 216-106</u>                  Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; uninsulated; electro-tin plated; silver-colored</p>			






1.2.4 Insulation stop

1.2.4.1 Insulation stop

 <p><u>Item no.: 231-670</u>                  Insulation stop; 0.08-0.2 mm<sup>2</sup> / 0.2 mm<sup>2</sup> "s"; white</p>	 <p><u>Item no.: 231-671</u>                  Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; light gray</p>	 <p><u>Item no.: 231-672</u>                  Insulation stop; 0.75 - 1 mm<sup>2</sup>; dark gray</p>
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1.2.5 Jumper

1.2.5.1 Jumper

 <p><u>Item no.: 231-910</u>                  Jumper; for conductor entry; 10-way; insulated; gray</p>	 <p><u>Item no.: 231-902</u>                  Jumper; for conductor entry; 2-way; insulated; gray</p>	 <p><u>Item no.: 231-903</u>                  Jumper; for conductor entry; 3-way; insulated; gray</p>	 <p><u>Item no.: 231-905</u>                  Jumper; for conductor entry; 5-way; insulated; gray</p>
 <p><u>Item no.: 231-907</u>                  Jumper; for conductor entry; 7-way; insulated; gray</p>			

## 1.2.6 Marking

### 1.2.6.1 Marking strip



**Item no.: 210-331/500-103**

Marking strips; as a DIN A4 sheet; MARKED; 1-12 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item no.: 210-332/500-202**

Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item no.: 210-332/500-205**

Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item no.: 210-331/500-104**

Marking strips; as a DIN A4 sheet; MARKED; 13-24 (300x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item no.: 210-332/500-204**

Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



**Item no.: 210-332/500-206**

Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

## 1.2.7 Tool

### 1.2.7.1 Operating tool



**Item no.: 231-231**

Combination operating tool; red



**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; multicoloured



**Item no.: 280-440**

Operating tool; made of insulating material; 10-way



**Item no.: 209-130**

Operating tool; made of insulating material; 1-way; for 264 Series (1-/2-way), 280, 281 Series (up to 3-way); natural



**Item no.: 231-291**

Operating tool; made of insulating material; 1-way; loose; red



**Item no.: 231-131**

Operating tool; made of insulating material; 1-way; loose; white



**Item no.: 280-432**

Operating tool; made of insulating material; 2-way; white



**Item no.: 280-433**

Operating tool; made of insulating material; 3-way



**Item no.: 280-434**

Operating tool; made of insulating material; 4-way



**Item no.: 280-435**

Operating tool; made of insulating material; 5-way; gray



**Item no.: 280-436**

Operating tool; made of insulating material; 6-way



**Item no.: 280-437**

Operating tool; made of insulating material; 7-way



**Item no.: 280-438**

Operating tool; made of insulating material; 8-way

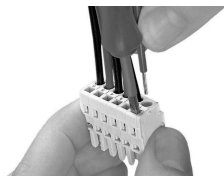


**Item no.: 231-159**

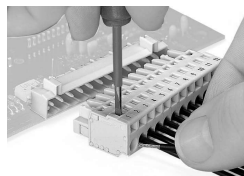
Operating tool; natural

## Installation notes

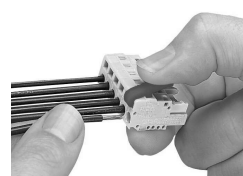
### Conductor termination



Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.



Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Inserting a conductor via operating tool.

