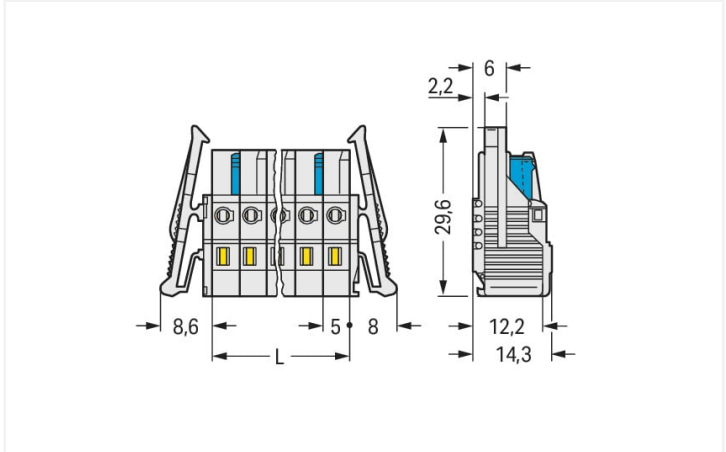


**Data Sheet | Item Number: 721-106/037-000**  
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 6-pole;  
100% protected against mismating; Lateral locking levers; 2,50 mm²; light gray  
<https://www.wago.com/721-106/037-000>

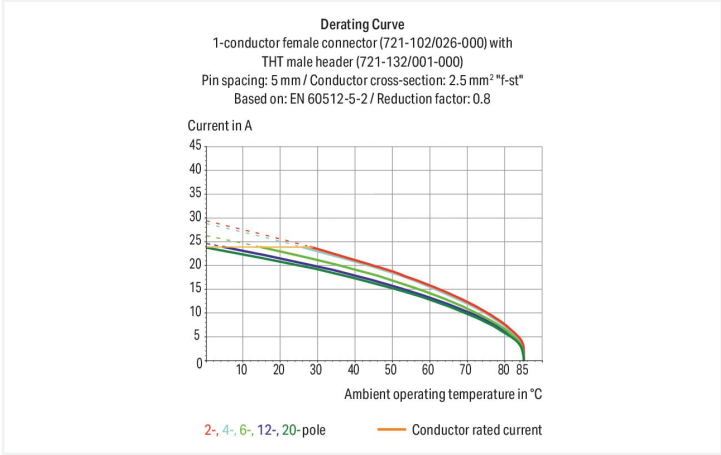


Color: ■ light gray

Similar to illustration



Dimensions in mm  
L = pole no. x pin spacing  
2-pole female connectors – one latch only



- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Integrated test ports
- 100% protected against mismating
- Coding option available

| Notes              |   |
|--------------------|---|
| Safety information | 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<br>Gold-plated or partially gold-plated contact surfaces<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .   |



Electrical data

| Ratings per IEC/EN 60664-1 |       |       |       | Approvals per UL 1059 |       |   |       |
|----------------------------|-------|-------|-------|-----------------------|-------|---|-------|
| Overvoltage category       | III   | III   | II    | Use group             | B     | C | D     |
| Pollution degree           | 3     | 2     | 2     | Rated voltage         | 300 V | - | 300 V |
| Nominal voltage            | 320 V | 320 V | 630 V | Rated current         | 15 A  | - | 10 A  |
| Rated surge voltage        | 4 kV  | 4 kV  | 4 kV  |                       |       |   |       |
| Rated current              | 16 A  | 16 A  | 16 A  |                       |       |   |       |

| Ratings       |         |  |  | Approvals per CSA |       |   |       |
|---------------|---------|--|--|-------------------|-------|---|-------|
| Approvals per | UL 1977 |  |  | Use group         | B     | C | D     |
| Rated voltage | 600 V   |  |  | Rated voltage     | 300 V | - | 300 V |
| Rated current | 15 A    |  |  | Rated current     | 15 A  | - | 10 A  |

Connection data

|                            |   |   |  |  |  |  |  |
|----------------------------|---|---|--|--|--|--|--|
| Connection points          | 6 | Connection 1                                      |  |  |  |  |  |
| Total number of potentials | 6 | Connection technology                             | CAGE CLAMP®                                |  |  |  |  |
| Number of connection types | 1 | Actuation type                                    | Operating tool                             |  |  |  |  |
| Number of levels           | 1 | Actuation direction 1                             | Operation parallel to conductor entry      |  |  |  |  |
|                            |   | Actuation direction 2                             | Operation perpendicular to conductor entry |  |  |  |  |
|                            |   | Solid conductor                                   | 0.08 ... 2.5 mm² / 28 ... 12 AWG           |  |  |  |  |
|                            |   | Fine-stranded conductor                           | 0.08 ... 2.5 mm² / 28 ... 12 AWG           |  |  |  |  |
|                            |   | Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm²                           |  |  |  |  |
|                            |   | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm²                           |  |  |  |  |
|                            |   | Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inches          |  |  |  |  |
|                            |   | Pole number                                       | 6  |  |  |  |  |
|                            |   | Conductor entry direction to mating direction     | 0 °  |  |  |  |  |

Physical data

|             |                        |
|-------------|------------------------|
| Pin spacing | 5 mm / 0.197 inches    |
| Width       | 46.6 mm / 1.835 inches |
| Height      | 14.3 mm / 0.563 inches |
| Depth       | 29.6 mm / 1.165 inches |

Mechanical data

|                          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Anti-rotation protection | Yes |

Plug-in connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for conductor           |
| Mismating protection               | Yes                     |
| Locking of plug-in connection      | Locking lever           |








| Material data               |  |  |
|-----------------------------|--|--|
| Note (material data)        |  | <a href="#">Information on material specifications 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            |  | Copper alloy   |
| Contact plating             |  | Tin  |
| Fire load                   |  | 0.172 MJ   |
| Weight                      |  | 12.2 g   |

| Environmental requirements |  |                |
|----------------------------|--|----------------|
| Limit temperature range    |  | -60 ... +85 °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)              |  | 50 pcs                 |
| Packaging type        |  | Box                    |
| Country of origin     |  | DE                     |
| GTIN                  |  | 4044918354479          |
| Customs tariff number |  | 85366990990            |

| Environmental Product Compliance |  |                         |
|----------------------------------|--|-------------------------|
| RoHS Compliance Status           |  | Compliant, No Exemption |

### Approvals / Certificates

| General approvals  |           |                  | Declarations of conformity and manufacturer's declarations                          |          |                  |
|--|-----------|------------------|---|----------|------------------|
|     |           |                  |  |          |                  |
| Approval   | Standard  | Certificate Name | Approval  | Standard | Certificate Name |
| CB<br>DEKRA Certification B.V.   | IEC 61984 | NL-39756/A1      | Railway<br>WAGO GmbH & Co. KG   | -        | Railway Ready    |
| CSA<br>DEKRA Certification B.V.  | C22.2     | 1466354          |   |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.  | EN 61984  | 71-121453        |   |          |                  |
| UL<br>Underwriters Laboratories Inc.   | UL 1977   | E45171           |   |          |                  |
| UL<br>Underwriters Laboratories Inc.   | UL 1059   | E45172           |   |          |                  |



Approvals for marine applications



| Approval                                | Standard  | Certificate Name |
|---|-----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping | -         | 19-HG1869876-PDA |
| BV<br>Bureau Veritas S.A.               | IEC 60998 | 11915/D0 BV      |
| DNV<br>DNV GL SE                        | -         | TAE000016Z       |

Downloads

Environmental Product Compliance

| Compliance Search                                      |
|--|
| Environmental Product<br>Compliance<br>721-106/037-000 |



Documentation

| Additional Information |
|------------------------|
| Technical Section      |
| 03.04.2019             |
| pdf<br>2027.26 KB      |



CAD/CAE-Data

| CAD data                        |
|---------------------------------|
| 2D/3D Models<br>721-106/037-000 |



| CAE data                             |
|--------------------------------------|
| EPLAN Data Portal<br>721-106/037-000 |
| ZUKEN Portal<br>721-106/037-000      |



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: [721-606](#)  
1-conductor male connector; CAGE  
CLAMP®; 2.5 mm²; Pin spacing 5 mm; 6-  
pole; 100% protected against mismat-  
ing; 2,50 mm²; light gray





































Item No.: [721-436/001-000](#)  
THT male header; 1.0 x 1.0 mm solder pin;  
angled; 100% protected against mismat-  
ing; Pin spacing 5 mm; 6-pole; light gray



Item No.: [721-136/001-000](#)  
THT male header; 1.0 x 1.0 mm solder pin;  
straight; 100% protected against mismat-  
ing; Pin spacing 5 mm; 6-pole; light gray



| 1.2 Optional Accessories   |  |  |  |
|--|--|--|--|
| 1.2.1 Cover  |  |  |  |
| 1.2.1.1 Cover  |  |  |  |
|   |   |  |  |
| <b>Item No.: 231-668</b><br>Lockout caps; for covering unused clamping units; gray   | <b>Item No.: 231-669</b><br>Lockout caps; for covering unused clamping units; orange   |  |  |
|  |  |  |  |
| 1.2.2 Ferrule  |  |  |  |
| 1.2.2.1 Ferrule  |  |  |  |
|   |   |   |   |
| <b>Item No.: 216-301</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow   | <b>Item No.: 216-321</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow   | <b>Item No.: 216-151</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated   | <b>Item No.: 216-131</b><br>Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored   |
|   |   |   |   |
| <b>Item No.: 216-302</b><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise  | <b>Item No.: 216-322</b><br>Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise  | <b>Item No.: 216-132</b><br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated   | <b>Item No.: 216-152</b><br>Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated   |
|    |    |    |    |
| <b>Item No.: 216-241</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | <b>Item No.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white   | <b>Item No.: 216-221</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white   | <b>Item No.: 216-141</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92      |
|   |   |   |   |
| <b>Item No.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored  | <b>Item No.: 216-121</b><br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored  | <b>Item No.: 216-242</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | <b>Item No.: 216-262</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray |
|   |   |   |   |
| <b>Item No.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray   | <b>Item No.: 216-222</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray   | <b>Item No.: 216-142</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92     | <b>Item No.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored   |
|   |   |   |   |
| <b>Item No.: 216-122</b><br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored   | <b>Item No.: 216-243</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | <b>Item No.: 216-263</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red     | <b>Item No.: 216-203</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red   |
|   |   |   |   |
| <b>Item No.: 216-223</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red   | <b>Item No.: 216-103</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated  | <b>Item No.: 216-143</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92        | <b>Item No.: 216-123</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored  |
|   |   |   |   |
| <b>Item No.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black   | <b>Item No.: 216-224</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black   | <b>Item No.: 216-244</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | <b>Item No.: 216-264</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black |



1.2.2.1 Ferrule



**Item No.: 216-284**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



**Item No.: 216-124**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated



**Item No.: 216-144**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



**Item No.: 216-104**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored



**Item No.: 216-106**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored

1.2.3 Insulation stop

1.2.3.1 Insulation stop



**Item No.: 231-670**  
Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"; white



**Item No.: 231-671**  
Insulation stop; 0.25 - 0.5 mm²; light gray



**Item No.: 231-672**  
Insulation stop; 0.75 - 1 mm²; dark gray

1.2.4 Jumper

1.2.4.1 Jumper



**Item No.: 231-902**  
Jumper; for conductor entry; 2-way; insulated; gray



**Item No.: 231-903**  
Jumper; for conductor entry; 3-way; insulated; gray



**Item No.: 231-905**  
Jumper; for conductor entry; 5-way; insulated; gray

1.2.5 Marking

1.2.5.1 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

1.2.6 Strain relief

1.2.6.1 Strain relief housing



**Item No.: 232-606**  
Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 6-pole; gray

1.2.7 Test and measurement

1.2.7.1 Testing accessories



**Item No.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable; red



**Item No.: 231-661**  
Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

1.2.8 Tool

1.2.8.1 Operating tool



**Item No.: 209-132**  
Operating tool; for connecting comb-style jumper bar; made of insulating material; 2-way; natural



**Item No.: 209-130**  
Operating tool; made of insulating material; 1-way; for 264 Series (1-1/2-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



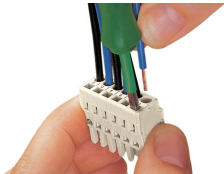
**Item No.: 280-435**  
Operating tool; made of insulating material; 5-way; gray



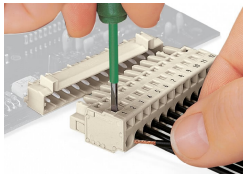
**Item No.: 280-436**  
Operating tool; made of insulating material; 6-way

Installation Notes

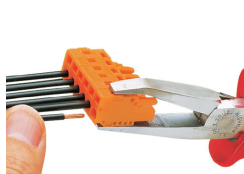
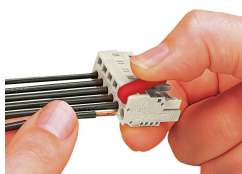
Conductor termination



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.



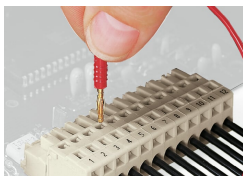
Inserting a conductor via operating tool.

## Coding



Coding a female connector by removing coding finger(s).

## Testing



Testing perpendicular to conductor entry with 2 or 2.3 mm Ø test plug – female connector with CAGE CLAMP® – via integrated test ports

## Installation



Male connector with strain relief plate



Strain relief housing shown with a male connector equipped with CAGE CLAMP®