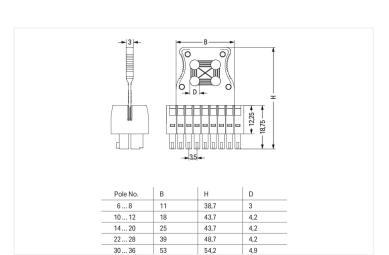
1-conductor female connector, 2-row; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismating; Levers; Strain relief plate; direct marking; 1,50 mm²; black



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Color: ■ black

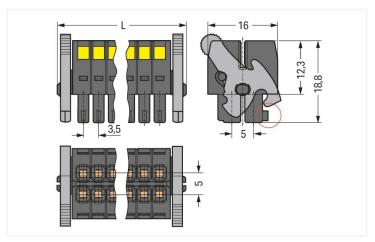


#### Dimensions in mm

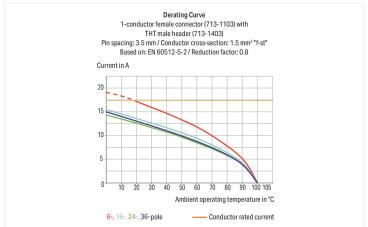
The arrangement of the attachments for cable ties allows single conductors or multi-core cables to be secured in different ways. The width of the cable ties must correspond to the hole dimensions of the strain relief plates shown above.

Cable ties and binding tools are not offered by WAGO.

- · Universal connection for all conductor types
- Unique, compact, double-row connector system for conductor cross-sections up to 1.5 mm<sup>2</sup>
- High-density, wire-to-board connections in very confined spaces
- Centered strain relief plate anchors conductors, while acting as convenient connection and disconnection handle. It also provides easy access to operating slots even when wired.
- · Coding fingers provide 100% protection against mismating



Dimensions in mm
L = [(pole no./2) – 1] x pin spacing + 12.2 mm
Coding finger (red circle)



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### **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

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	IE	C/EN 60664	-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	80 V	160 V	250 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	10 A	10 A	10 A

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	300 V	50 V	-
Rated current	10 A	10 A	-

Approvals per		CSA	
Use group	В	С	D
Rated voltage	300 V	-	-
Rated current	10 A	-	-

Connection data		
Connection points	16	
Total number of potentials	16	
Number of connection types	1	
Number of levels	2	

Connection 1	
Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Actuation direction 1	Operation perpendicular to conductor entry
Solid conductor	0.08 1.5 mm² / 28 16 AWG
Fine-stranded conductor	0.08 1.5 mm² / 28 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 1 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 1 mm²
Strip length	6 7 mm / 0.24 0.28 inches
Pole number	16
Conductor entry direction to mating direction	0°

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	36.5 mm / 1.437 inches
Height	43.7 mm / 1.72 inches
Depth	16 mm / 0.63 inches

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### Mechanical data

Variable coding Yes
Anti-rotation protection Yes

## Plug-in connection

Contact type (pluggable connector)

Connector (connection type)

for conductor

Mismating protection

Locking of plug-in connection

Strain relief

Strain relief plate

### Material data

Note (material data)

Information on material specifications can be found here

Color black
Material group II

Insulation material Glass fiber-reinforced polyamide (PA66 GF)

Flammability class per UL94 V

Clamping spring material Chrome-nickel spring steel (CrNi)

Contact material Copper alloy

Contact plating Tin

Fire load 0.151 MJ

Weight 10 g

### **Environmental requirements**

Limit temperature range  $-60 \dots +100 \,^{\circ}\text{C}$ Processing temperature  $-35 \dots +60 \,^{\circ}\text{C}$ 

### Commercial data

**Product Group** 3 (Multi Conn. System) 27-14-11-06 eCl@ss 10.0 eCl@ss 9.0 27-14-11-06 **ETIM 8.0** EC001284 ETIM 7.0 EC001284 PU (SPU) 25 pcs Packaging type Box Country of origin PL **GTIN** 4050821177630 Customs tariff number 85366990990

## **Environmental Product Compliance**

**REACH Candidate List Substance** Perfluorobutane sulfonic acid (PFBS) and its salts RoHS Compliance Status Compliant, No Exemption SCIP notification number (Austria) aebd4750-9d97-4202-931f-d9dcafb87fea SCIP notification number (Belgium) ca420085-225b-4e1e-a856-a2c4e3397be1 SCIP notification number (Bulgaria) 5a4035e0-e2be-4f99-a447-e746c612d440 SCIP notification number (Czech Republic) 8893a00a-3595-4e63-a8db-4385b5b71c8f SCIP notification number (Denmark) 1644bed3-6dc4-4e31-8591-559e4aaee745 SCIP notification number (Finland) 6910a937-e41c-430d-a653-fa6c241dc389 SCIP notification number (France) aff19595-0073-4631-bee5-248bc3dd40c0 SCIP notification number (Germany) 16319dbe-af94-4d3b-a173-ded3d80d3dff SCIP notification number (Hungary) ee285df4-a932-4a36-990e-9ffa0596375b 2838c134-ebb2-4bb4-a907-34507e4af8c8 SCIP notification number (Italy)

https://www.wago.com/713-1108/037-9037/033-000



Environmental Product Compliance	
SCIP notification number (Netherlands)	7395acd1-4505-4a25-9735-f6315608d0c4
SCIP notification number (Poland)	966c794f-c419-4c63-b30b-4d4493b610fb
SCIP notification number (Romania)	a2e604bf-a149-4da0-aa6f-03c84d2a7697
SCIP notification number (Sweden)	6b458de3-5a99-4604-8c83-15ba0e088c36

## Approvals / Certificates

### General approvals







Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-102427
CSA CSA Group	C22.2	2315087
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-133740
UL Underwriters Laboratories Inc.	UL 1059	UL-US-L45172-6187124- 22905991-1

### Downloads

## **Environmental Product Compliance**

Compliance Search



### Documentation

## Additional Information

## 1 Compatible Products

## 1.1 System counterpart

### 1.1.1 Male connector/plug





### Item No.: 713-1428/037-000

THT male header, 2-row; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismating; Levers; Pin spacing 3.5 mm; 16-pole; black

# <u>Item No.: 713-1408/037-000</u>

THT male header, 2-row; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismating; Levers; Pin spacing 3.5 mm; 16-pole; black

https://www.wago.com/713-1108/037-9037/033-000



#### 1.2 Optional Accessories 1.2.1 Ferrule 1.2.1.1 Ferrule Item No.: 216-321 Item No.: 216-301 Item No.: 216-151 Item No.: 216-131 Ferrule; Sleeve for 0.25 mm2 / AWG 24; in-Ferrule; Sleeve for 0.25 mm2 / AWG 24; in-Ferrule; Sleeve for 0.25 mm2 / AWG 24; Ferrule; Sleeve for 0.25 mm2 / AWG 24; sulated; electro-tin plated; yellow sulated; electro-tin plated; yellow uninsulated; electro-tin plated uninsulated; electro-tin plated; silver-colored Item No.: 216-302 Item No.: 216-322 Item No.: 216-132 Item No.: 216-152 Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; in-Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; in-Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; sulated; electro-tin plated; light turquoise sulated; electro-tin plated; light turquoise uninsulated; electro-tin plated uninsulated; electro-tin plated Item No.: 216-241 Item No.: 216-201 Item No.: 216-221 Item No.: 216-141 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; in-Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; in-Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; in-Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; unsulated; electro-tin plated; electrolytic sulated; electro-tin plated; white sulated; electro-tin plated; white insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white 46228, Part 1/08.92 Item No.: 216-101 Item No.: 216-121 Item No.: 216-242 Item No.: 216-262 Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; un-Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; un-Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; in-Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; ininsulated; electro-tin plated; silver-colosulated; electro-tin plated; electrolytic sulated; electro-tin plated; electrolytic insulated; electro-tin plated; silver-colored copper; gastight crimped; acc. to DIN copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray 46228, Part 4/09.90; gray Item No.: 216-222 Item No.: 216-202 Item No.: 216-142 Item No.: 216-102 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; in-Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; in-Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; Ferrule; Sleeve for 0.75 mm2 / AWG 20; sulated; electro-tin plated; gray sulated; electro-tin plated; gray uninsulated; electro-tin plated; electrolyuninsulated; electro-tin plated; silver-cotic copper; gastight crimped; acc. to DIN lored 46228, Part 1/08.92 Item No.: 216-122 Item No.: 216-243 Item No.: 216-263 Item No.: 216-203 Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insu-Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insu-Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insuuninsulated; electro-tin plated; silver-colated; electro-tin plated; electrolytic coplated; electro-tin plated; electrolytic coplated; electro-tin plated; red lored per; gastight crimped; acc. to DIN 46228, per; gastight crimped; acc. to DIN 46228, Part 4/09.90; red Part 4/09.90; red Item No.: 216-103 Item No.: 216-223 Item No.: 216-143 Item No.: 216-123 Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; unin-Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; unin-Ferrule; Sleeve for 1 mm2 / AWG 18; insu-Ferrule: Sleeve for 1 mm2 / AWG 18: uninlated; electro-tin plated; red sulated; electro-tin plated sulated; electro-tin plated; electrolytic sulated; electro-tin plated; silver-colored copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

### 1.2.2 Stickers with operating instructions

### 1.2.2.1 Stickers with operating instructions



Item No.: 210-493

Stickers for operating instructions

https://www.wago.com/713-1108/037-9037/033-000



### 1.2.3 Strain relief

## 1.2.3.1 Strain relief plate



### Item No.: 713-127

Strain relief plate; for female connectors; 25 mm wide; 1 part; Pin spacing 3.5 mm; black

#### 1.2.4 Tool

## 1.2.4.1 Operating tool



### Item No.: 210-719

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

### Item No.: 210-647

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

### **Installation Notes**

### Conductor termination



Inserting a conductor via (2.5 x 0.4) mm screwdriver.

## Locking system



Lever as a lock – when closed, female connector is locked.



Lever as a disconnection aid – when opened, female connector is disconnected. Rotating the lever lifts the female connector out of the male header.



Screw interlock can only be disconnected using a tool.

### Coding



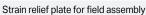
Coding a female connector by removing coding finger(s).

https://www.wago.com/713-1108/037-9037/033-000



## Strain relief







Centered strain relief plate anchors conductors for easy disconnection.

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