

## Data Sheet | Item Number: 2734-1116/327-9037

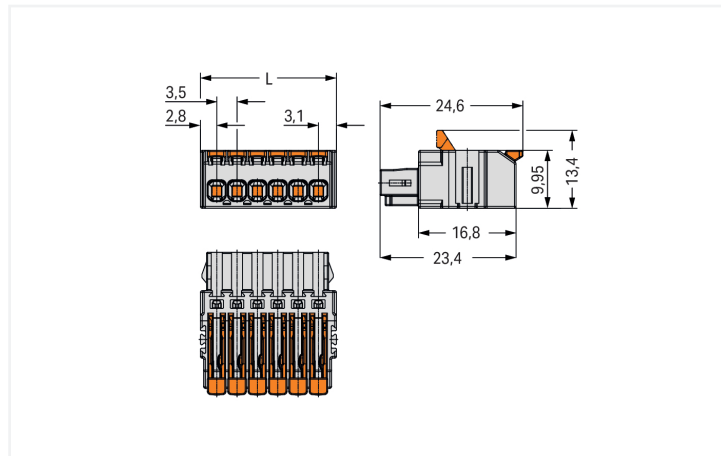
1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 16-pole; 100% protected against mismatching; direct marking; 1,50 mm<sup>2</sup>; light gray

<https://www.wago.com/2734-1116/327-9037>



Color: ■ light gray

Similar to illustration



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 2.4 \text{ mm}$

Female connector, 2734 Series, light gray

This female connector (item number 2734-1116/327-9037) is designed for fault-free electrical installations. Conductors should only be connected to this female connector if their strip length is between 9 and 10 mm. Featuring one conductor terminal along with Push-in CAGE CLAMP®, this product is highly versatile. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. Dimensions: (58.4 x 9.95 x 24.6) mm (width x height x depth). This female connector is suitable for conductor cross sections ranging from 0.14 mm<sup>2</sup> to 1.5 mm<sup>2</sup>.

Tin is used for coating the contact surfaces.

### 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

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)	160 V
Rated impulse withstand voltage (III / 3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse withstand voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated impulse withstand voltage (II/2)	2.5 kV
Rated current	10 A

#### Ratings per IEC/EN

Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2
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### Ratings per UL

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

### Ratings per CSA

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

### Connection Data

Clamping units	16
Total number of potentials	16
Number of connection types	1
Number of levels	1

### Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Solid conductor	0.14 ... 1.5 mm <sup>2</sup> / 26 ... 14 AWG
Solid conductor; push-in termination	0.34 ... 1.5 mm <sup>2</sup> / 22 ... 14 AWG
Fine-stranded conductor	0.14 ... 1.5 mm <sup>2</sup> / 26 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.14 ... 1 mm <sup>2</sup>
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Pole number	16
Conductor entry direction to mating direction	0°

### Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	58.4 mm / 2.299 inches
Height	9.95 mm / 0.392 inches
Depth	24.6 mm / 0.969 inches

### Mechanical data

Variable coding	Yes
Marking type	Numbers
Anti-rotation protection	Yes

### Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	Yes

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	light gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Copper alloy
Contact Plating	Tin
Fire load	1.745 MJ
Weight	58.1 g

### Environmental requirements

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

### Commercial data

PU (SPU)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966416848
Customs tariff number	85366990990

### Product Classification

UNSPSC	39121409
ETIM 9.0	EC002638
ETIM 10.0	EC002638
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Downloads

#### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2734-1116/327-9037	↓

### Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

### 1 Compatible Products

#### 1.1 System counterpart

##### 1.1.1 Male connector/plug

**Item No.: 734-316**  
1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismatching; 1,50 mm²; light gray

**Item No.: 734-176**  
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.5 mm; 16-pole; light gray

**Item No.: 734-146**  
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 16-pole; light gray

## 1.2 Optional Accessories

### 1.2.1 Coding

#### 1.2.1.1 Coding



**Item No.: 2734-505**

Coding pin carrier; 5 coding keys; for female connectors; orange

### 1.2.2 Ferrule

#### 1.2.2.1 Ferrule



**Item No.: 216-241**

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



**Item No.: 216-141**

Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-242**

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



**Item No.: 216-262**

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



**Item No.: 216-142**

Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

### 1.2.3 Jumper

#### 1.2.3.1 Jumper



**Item No.: 2734-402**

Jumper; for conductor entry; 2-way; insulated; light gray

### 1.2.4 Locking system

#### 1.2.4.1 Locking system



**Item No.: 2734-516**

center locking; for female connectors; For Push-in CAGE CLAMP® connection; lever; Pin spacing 3.5 mm; 4-pole; orange



**Item No.: 2734-510**

Locking lever; for female connectors; 1 part; For Push-in CAGE CLAMP® connection; lever; orange

## 1.2.5 Strain relief

### 1.2.5.1 Strain relief plate



**Item No.: 2734-536**

Strain relief plate; for female connectors; 41 mm wide; 1 part; lever; Pin spacing 3.5 mm; light gray

## 1.2.6 Test and measurement

### 1.2.6.1 Testing accessories

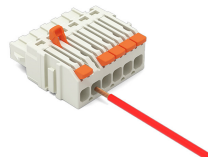
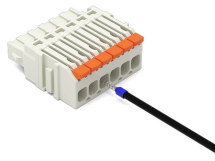
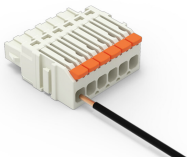


**Item No.: 735-500**

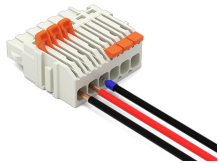
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm<sup>2</sup>

## Installation Notes

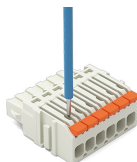
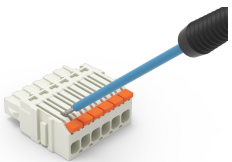
### Conductor termination



### Conductor removal



### Testing



Marking

