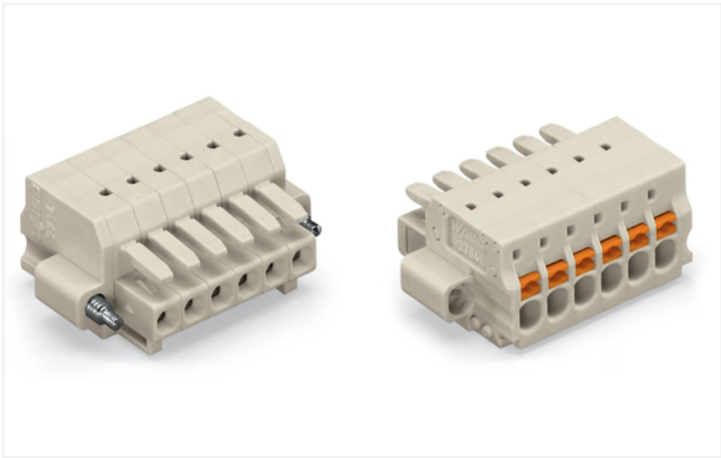


Data Sheet | Item Number: 2734-118/107-000

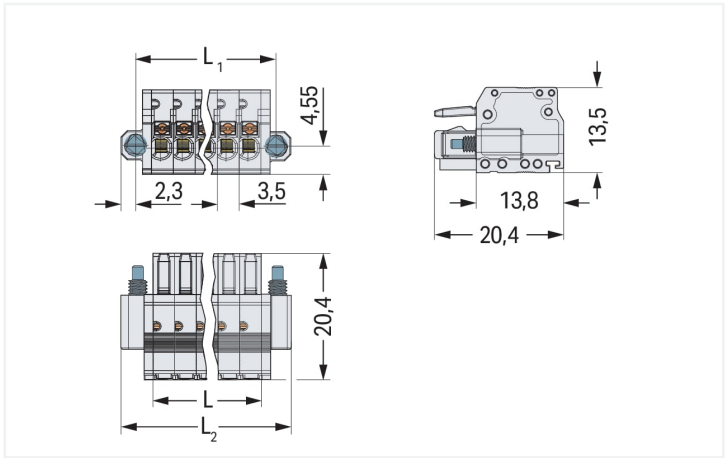
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Screw flange; 1,50 mm²; light gray

<https://www.wago.com/2734-118/107-000>



Color: ■ light gray

Similar to illustration

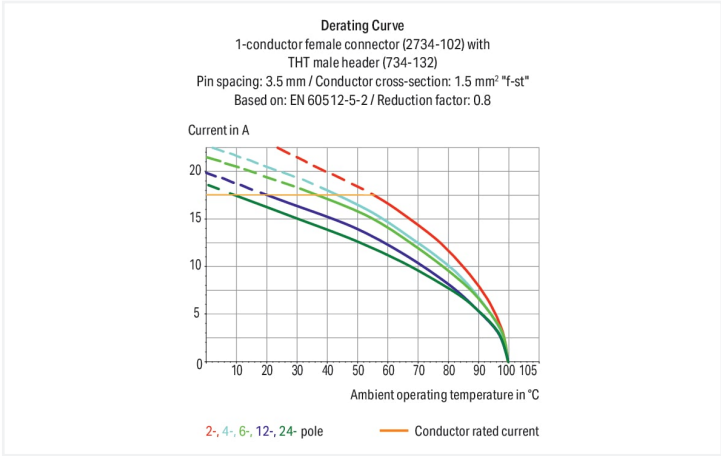


Dimensions in mm

L = pole no. x pin spacing

L1 = (pole no. x pin spacing) + 4.9 mm

L2 = (pole no. x pin spacing) + 9.5 mm



Federleiste/Buchse Serie 2734 mit Push-in CAGE CLAMP®

Bei dieser Federleiste/Buchse mit der Artikelnummer 2734-118/107-000 ist eine reibungslose Elektroinstallation das Hauptaugenmerk. Setzen Sie beim Design-In Ihres Gerätes auf erprobte Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie vielseitige Verwendungsmöglichkeiten. Diese Federleiste/Buchse benötigt für den Leiteranschluss eine Abisolierung mit Längen zwischen 8 und 9 mm. Dieses Produkt basiert auf der Push-in CAGE CLAMP®-Technologie. Die Push-in CAGE CLAMP® Anschlusstechnik ist der Universalanschluss für alle Leiterarten mit dem Zusatznutzen des direkten Steckens. Starre Leiter sowie feindrähtige Leiter mit Aderendhülse können ohne Werkzeug direkt in die Klemmstelle gesteckt werden. In Breite x Höhe x Tiefe betragen die Abmessungen (72,5 x 13,5 x 20,4) mm. In Abhängigkeit von der Leiterart ist die Federleiste/Buchse gemacht für Leiterquerschnitte von 0,2 mm² bis 1,5 mm². Die Kontaktoberfläche ist aus Zinn. Über einen Drücker wird diese Federleiste/Buchse betätigt. Das MCS – "Multi Connection System" von WAGO ist ein vielfältiges Steckverbindersystem für Ihre durchgängige Systemverdrahtung. Es ermöglicht Ihnen eine vereinfachte Verdrahtung in der Kabelvorkonfektionierung und auf Geräten durch zwei Betätigungsrichtungen für die CAGE CLAMP®-Varianten.

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 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	160 V	160 V	320 V	Rated current	10 A	-	10 A
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV				
Rated current	10 A	10 A	10 A				

Approvals per CSA			
Use group	B	C	D
Rated voltage	300 V	-	300 V
Rated current	10 A	-	10 A

Connection data

Clamping units	18	Connection 1	
Total number of potentials	18	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Push-button
Number of levels	1	Actuation direction 1	Operation parallel to conductor entry
		Solid conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
		Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm²
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm²
		Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
		Pole number	18
		Conductor entry direction to mating direction	0°

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	72.5 mm / 2.854 inches
Height	13.5 mm / 0.531 inches
Depth	20.4 mm / 0.803 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	Screw flange



Material data		
Note (material data)		Information on material specifications can be found here
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		0.305 MJ
Weight		16.6 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 9.0		EC002638
ETIM 8.0		EC002638
PU (SPU)		25 pcs
Packaging type		Box
Country of origin		PL
GTIN		4055143285445
Customs tariff number		85366990990

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	IEC 61984	NL-23611
CCA DEKRA Certification B.V.	EN 61984	2147056.01
CSA DEKRA Certification B.V.	C22.2 No. 158	2314554
UL Underwriters Laboratories Inc.	UL 1977	E 45171
UR Underwriters Laboratories Inc.	UL 1059	E45172



Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2734-118/107-000

Documentation

Additional Information
Technical Section
03.04.2019
pdf 2027.26 KB

CAD/CAE-Data

CAD data
2D/3D Models 2734-118/107-000

CAE data
ZUKEN Portal 2734-118/107-000

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 734-318/109-000
1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 18-pole; 100% protected against mismatching; Threaded flange; 1,50 mm²; light gray

Item No.: 734-178/108-000
THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 18-pole; light gray

Item No.: 734-148/108-000
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Threaded flange; Pin spacing 3.5 mm; 18-pole; light gray

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 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.: 216-241
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.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored

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



1.2.1.1 Ferrule



Item No.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-142
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



Item No.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored

1.2.2 Strain relief

1.2.2.1 Strain relief plate



Item No.: 734-426
Strain relief plate; for female and male connectors; 1 part; Pin spacing 3.5 mm; light gray

1.2.3 Tool

1.2.3.1 Operating tool



Item No.: 734-190
Combination operating tool; natural



Item No.: 734-231
Operating tool; black



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



Item No.: 210-251
Operating tool; for MCS MICRO and MINI with CAGE CLAMP® connection; yellow



Item No.: 210-250
Operating tool; for MCS MINI and MIDI with CAGE CLAMP® connection; red



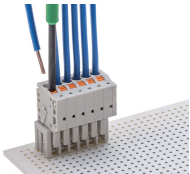
Item No.: 734-191
Operating tool; made of insulating material; 1-way; loose; black



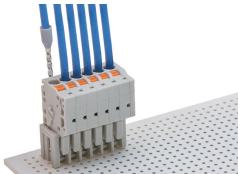
Item No.: 734-230
Operating tool; made of insulating material; 1-way; white

Installation Notes

Conductor termination

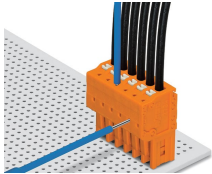


Conductor termination Inserting fine-stranded conductors into Push-in CAGE CLAMP® unit via push-buttons.



Push-in termination of solid conductors and fine-stranded conductors with ferrules

Testing



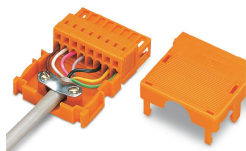
Testing via 1 mm Ø test pin (735-500). Push-in CAGE CLAMP® termination – parallel to conductor entry

Marking



Labeling via direct marking or self-adhesive strips.

Installation



Strain relief housing for 734 Series Male and Female Connectors with CAGE CLAMP® connection