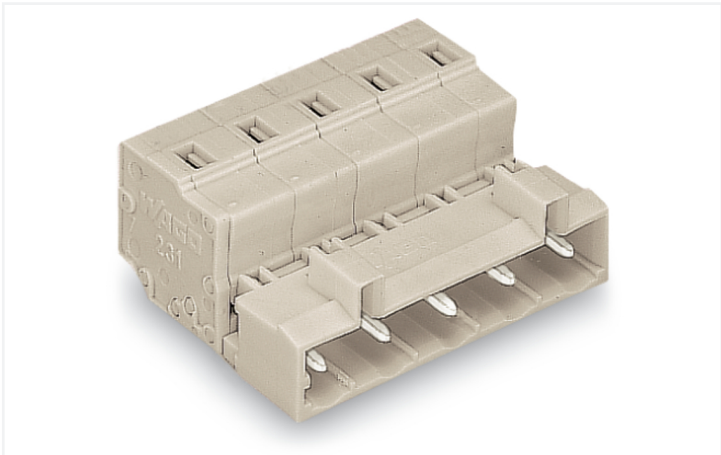


Data Sheet | Item Number: 723-608

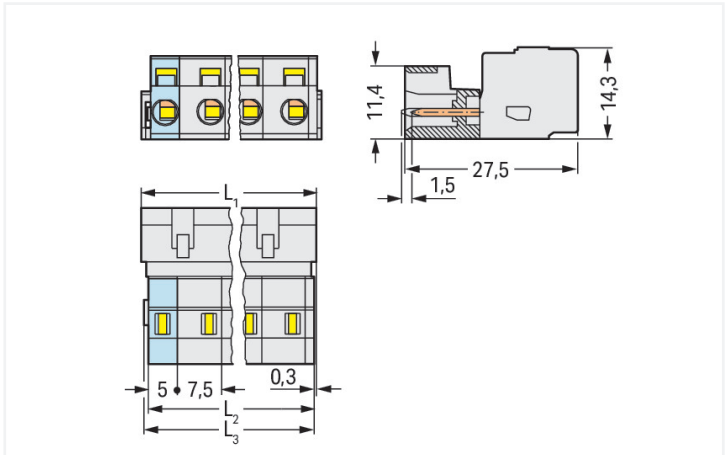
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole;
100% protected against mismatching; 2,50 mm²; light gray

<https://www.wago.com/723-608>

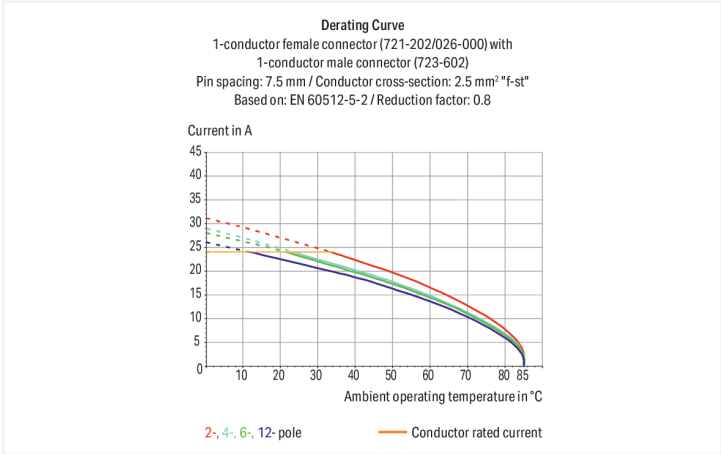


Color: ■ light gray

Similar to illustration



Dimensions in mm
L1 = (pole no. - 1) x pin spacing + 8.2 mm
L2 = L1 - 1.7 mm
L3 = L1 - 1.2 mm



Stiftleiste Serie 723 mit Rastermaß 7,5 mm

Die Stiftleiste hat die Artikelnummer 723-608 und verspricht eine fehlerfreie Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf bewährte Sicherheit: Mit Leiterplatten-Steckverbindern haben Sie verschiedene Verwendungsmöglichkeiten. Für den Leiteranschluss werden bei dieser Stiftleiste Abisolierlängen von 8 bis 9 mm benötigt. Bei diesem Produkt wird die CAGE CLAMP®-Technologie verwendet. Der zuverlässige und wartungsfreie CAGE CLAMP® Universalanschluss ermöglicht den Anschluss aller Leiterarten mit einer Käfigzugfeder. Eine Vorbehandlung der Leiter, z. B. durch das Aufcrimpen von Aderendhülsen, ist nicht erforderlich. In Breite x Höhe x Tiefe betragen die Abmessungen (60,7 x 14,3 x 27,5) mm. In Abhängigkeit von der Leiterart eignet sich die Stiftleiste für Leiterquerschnitte von 0,08 mm² bis 2,5 mm². Die Kontaktoberfläche ist aus Zinn. Für diese Stiftleiste/Stecker erfolgt die Betätigung per Betätigungswerkzeug. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbinder-system mit überzeugenden Lösungen für Ihre Anwendungen.

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	500 V	630 V	1000 V	Rated current	15 A	-	10 A
Rated surge voltage	6 kV	6 kV	6 kV				
Rated current	12 A	12 A	12 A				

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

Connection data

Clamping units	8	Connection 1	
Total number of potentials	8	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	8
		Conductor entry direction to mating direction	0°

Physical data

Pin spacing	7.5 mm / 0.295 inches
Width	60.7 mm / 2.39 inches
Height	14.3 mm / 0.563 inches
Depth	27.5 mm / 1.083 inches

Mechanical data

Variable coding	Yes
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)	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	Electrolytic copper (E _{Cu})
Contact Plating	Tin
Fire load	0.296 MJ
Weight	14.8 g

Environmental requirements	
Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C
Environmental Testing	
Test specification: Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure: Railway applications – Rolling stock equipment – Vibration and shock tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Mounting location	Service life test, Category 1, Class A/B
Functional test with noise-like oscillations	Test passed according to Section 8 of the standard
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.101g (highest test level used for all axes)
Test duration per axis	10 min.
Test directions	X, Y and Z axes
Monitoring of contact faults and interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like oscillations	Test passed according to Section 9 of the standard
Frequency	f ₁ = 5 Hz to f ₂ = 150 Hz
Acceleration	0.572g (highest test level used for all axes)
Test duration per axis	5 h
Test directions	X, Y and Z axes
Extended testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Shock test	Test passed according to Section 10 of the standard
Shock pulse form	Half sine
Acceleration	5g (highest test level used for all axes)
Shock duration	30 ms
Number of shocks (per axis)	3 pos. und 3 neg.
Test directions	X, Y and Z axes
Extended testing: Monitoring of contact faults and interruptions	Passed
Extended testing: Voltage drop measurement before and after each axis	Passed
Vibration and shock stress for rolling stock equipment	Passed



Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	25 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918265881
Customs tariff number	85366930000

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-03-09
eCl@ss 9.0	27-44-03-09
ETIM 9.0	EC002638
ETIM 8.0	EC002638
ECCN	NO US CLASSIFICATION

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
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-130478 REV.1	Railway WAGO GmbH & Co. KG	-	Railway Ready
UR Underwriters Laboratories Inc.	UL 1059	E45172			
UR Underwriters Laboratories Inc.	UL 1977	E 45171			

Approvals for marine applications

  		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	169-HG1869876-PDA
DNV DNV GL SE	-	TAE000016Z
LR Lloyds Register	IEC 61984	96/20035 (E5)



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 723-608

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Documentation

Additional Information

Technical Section

03.04.2019

pdf

2027.26 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 723-608

↓

CAE data

EPLAN Data Portal 723-608

↓

ZUKEN Portal 723-608

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1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 721-338/031-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 721-338/008-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray



Item No.: 721-208/026-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 721-208/027-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 721-208/031-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 721-208/037-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 721-208/037-000/035-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Lateral locking levers; Strain relief plate; 2,50 mm²; light gray



Item No.: 721-208/008-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray



Item No.: 2721-208/026-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 2721-208/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 2721-208/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 2721-208/008-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray



Item No.: 721-2208/037-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 721-2208/026-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm²; light gray



Item No.: 722-838
THT female header; angled; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray



Item No.: 722-838/031-000
THT female header; angled; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray



1.1.1 Female connector/socket



Item No.: 722-838/039-000
THT female header; angled; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray



Item No.: 722-838/047-000
THT female header; angled; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Spacer flange; 0.6 x 1.0 mm solder pin; light gray



Item No.: 722-738
THT female header; straight; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray



Item No.: 722-738/031-000
THT female header; straight; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray



Item No.: 722-738/039-000
THT female header; straight; Pin spacing 7.5 mm; 8-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray



Item No.: 722-738/047-000
THT female header; straight; Pin spacing 7.5 mm; 8-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.: 231-130
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 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



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; un-insulated; 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; un-insulated; electro-tin plated; silver-colored



Item No.: 216-243
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



1.2.3.1 Ferrule

			
Item No.: 216-263 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	Item No.: 216-143 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
			
Item No.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black	Item No.: 216-244 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.: 216-264 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.: 216-284 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.: 216-144 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; 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; uninsulated; electro-tin plated; silver-colored	Item No.: 216-106 Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored	

1.2.4 Insulation stop

1.2.4.1 Insulation stop

		
Item No.: 231-673 Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"; white	Item No.: 231-674 Insulation stop; 0.25 - 0.5 mm²; light gray	Item No.: 231-675 Insulation stop; 0.75 - 1 mm²; dark gray

1.2.5 Marking

1.2.5.1 Marking strip

	
Item No.: 210-833 Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white	Item No.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

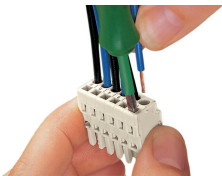
1.2.6 Tool

1.2.6.1 Operating tool

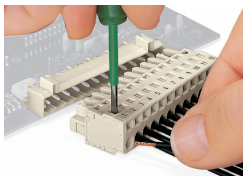
			
Item No.: 231-231 Combination operating tool; red	Item No.: 231-291 Operating tool; made of insulating material; 1-way; loose; red	Item No.: 231-131 Operating tool; made of insulating material; 1-way; loose; white	Item No.: 231-159 Operating tool; natural

Installation Notes

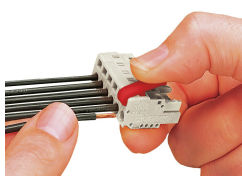
Conductor termination



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

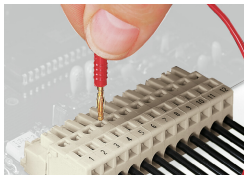


Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Inserting a conductor via operating tool.

Testing

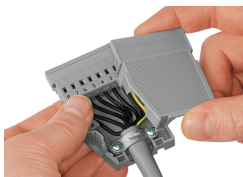


Testing perpendicular to conductor entry with 2 or 2.3 mm Ø test plug – female connector with CAGE CLAMP® – via integrated test ports

Installation

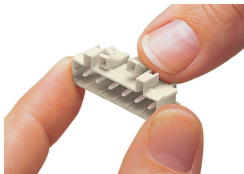


Male connector with strain relief plate



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

Coding



Coding a male header – fitting coding key(s).