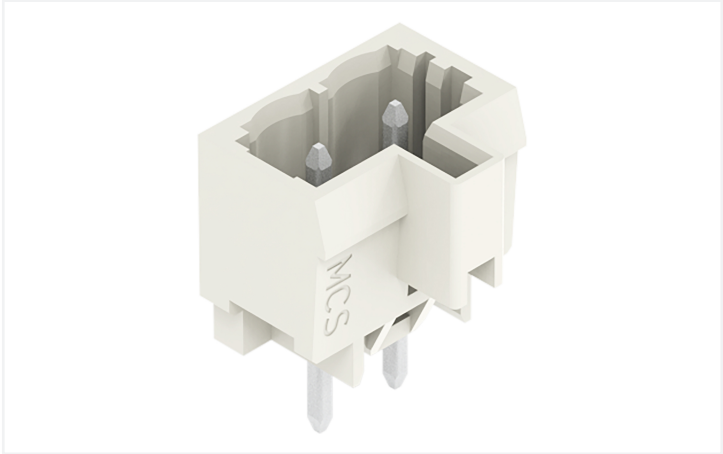
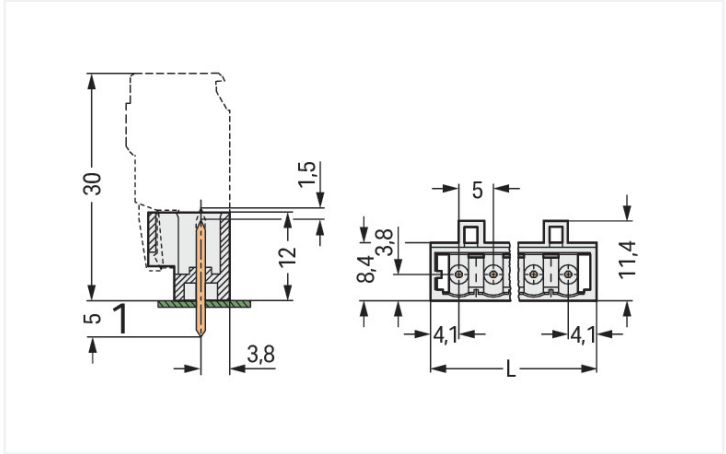
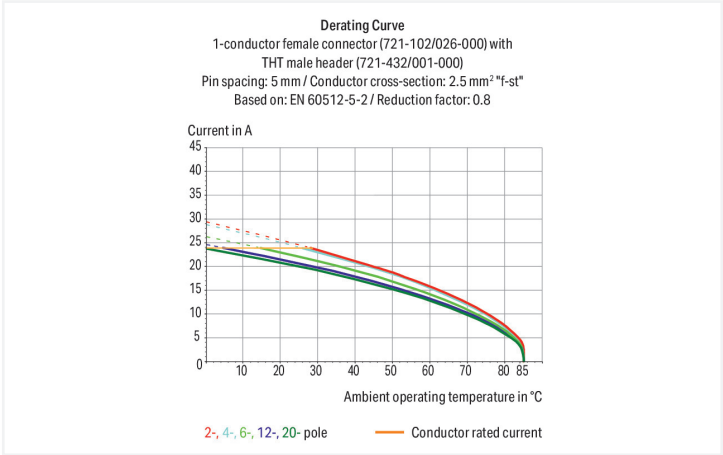




Color: ■ light gray



Dimensions in mm
L = (pole no. – 1) x pin spacing + 8.2 mm



- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- 100 % protected against mismatching
- With coding fingers

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 3.8 mm pin projection for male headers with straight solder pins 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
Pollution degree	3	2	2	Rated voltage	300 V	-
Nominal voltage	320 V	320 V	630 V	Rated current	10 A	-
Rated surge voltage	4 kV	4 kV	4 kV			
Rated current	12 A	12 A	12 A			

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

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

Physical data		
Pin spacing	Pin spacing	5 mm / 0.197 inches
Width	Width	13.2 mm / 0.52 inches
Height	Height	17 mm / 0.669 inches
Height from the surface	Height from the surface	12 mm / 0.472 inches
Depth	Depth	11.4 mm / 0.449 inches
Solder pin length	Solder pin length	5 mm
Solder pin dimensions	Solder pin dimensions	1 x 1 mm
Drilled hole diameter with tolerance	Drilled hole diameter with tolerance	1.4 (+0.1) mm

Mechanical data		
Variable coding	Variable coding	Yes
Anti-rotation protection	Anti-rotation protection	Yes

Plug-in connection		
Contact type (pluggable connector)	Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	Connector (connection type)	for PCB
Mismating protection	Mismating protection	Yes
Mating direction to the PCB	Mating direction to the PCB	90 °

PCB contact		
PCB contact	PCB contact	THT
Solder pin arrangement	Solder pin arrangement	over the entire male connector (in-line)
Number of solder pins per potential	Number of solder pins per potential	1



Material data		
Note (material data)		Information on material specifications can be found here
Color	light gray	
Material group	I	
Insulation material	Polyamide (PA66)	
Flammability class per UL94	V0	
Contact material	Electrolytic copper (E _{CU})	
Contact plating	Tin	
Fire load	0.018 MJ	
Weight	0.8 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	27-44-04-02	
eCl@ss 9.0	27-44-04-02	
ETIM 8.0	EC002637	
ETIM 7.0	EC002637	
PU (SPU)	200 pcs	
Packaging type	Box	
Country of origin	PL	
GTIN	4044918868808	
Customs tariff number	85366930000	

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 DEKRA Certification B.V.	IEC 61984	NL-39756/A1	Railway WAGO GmbH & Co. KG	-	Railway Ready
CSA DEKRA Certification B.V.	C22.2	1466354			
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453			
UL Underwriters Laboratories Inc.	UL 1059	E45172			
UR Underwriters Laboratories Inc.	UL 1977	E45171			



Approvals for marine applications



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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 721-132/001-000



Documentation

Additional Information
Technical Section
03.04.2019
pdf 2027.26 KB



CAD/CAE-Data

CAD data
2D/3D Models 721-132/001-000



CAE data
EPLAN Data Portal 721-132/001-000
ZUKEN Portal 721-132/001-000



PCB Design

Symbol and Footprint via SamacSys 721-132/001-000
Symbol and Footprint via Ultra Librarian 721-132/001-000





1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 722-102/026-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 722-202/026-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 721-302/031-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 721-302/008-000
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray



Item No.: 721-102/026-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 721-102/031-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 721-102/037-000
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 2721-1102/326-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; coding finger; 2,50 mm²; light gray



Item No.: 2721-1102/037-000
1-conductor female connector; lever; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 2721-102/026-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; 2,50 mm²; light gray



Item No.: 2721-102/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 2721-102/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 721-2102/037-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 721-2102/026-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 2-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 231-129
Coding key; snap-on type; light gray

1.2.2 Marking

1.2.2.1 Marking strip



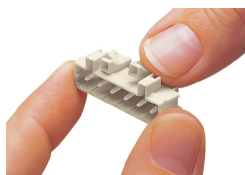
Item No.: 210-833
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white



Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

Installation Notes

Coding



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