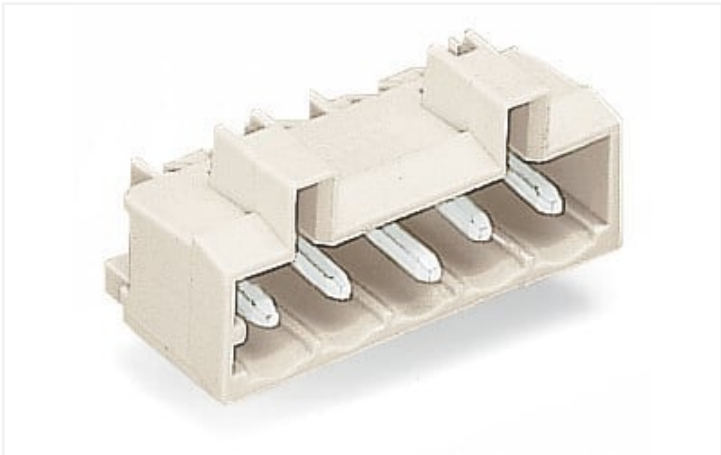
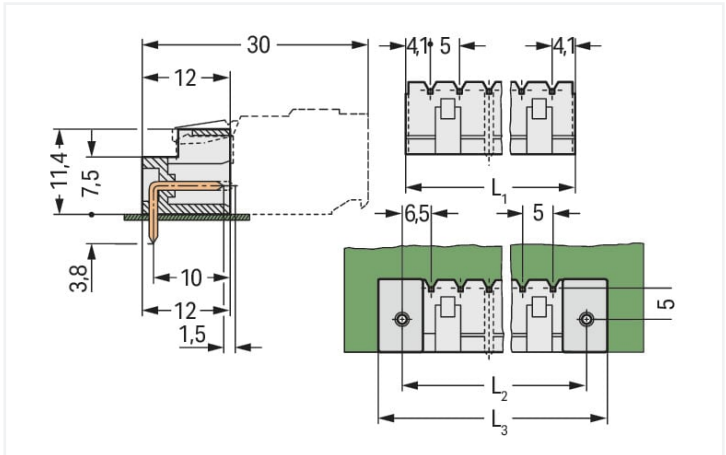
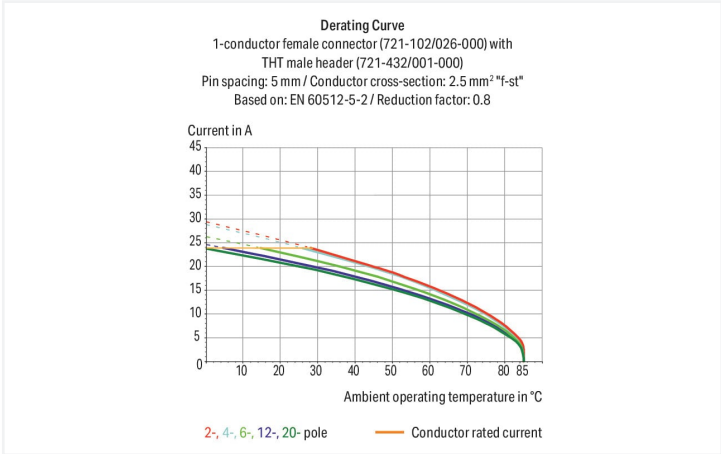




Color: ■ light gray Similar to illustration



Dimensions in mm
L1 = (pole no. – 1) x pin spacing + 8.2 mm
L2 = L1 + 5 mm
L3 = L2 + 7.4 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		
Overvoltage category	III	III	II	
Pollution degree	3	2	2	
Nominal voltage	320 V	320 V	630 V	
Rated surge voltage	4 kV	4 kV	4 kV	
Rated current	12 A	12 A	12 A	
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		10 A		
Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A
Connection data				
Total number of potentials	3	Connection 1		
Number of connection types	1	Pole number	3	
Number of levels	1			
Physical data				
Pin spacing		5 mm / 0.197 inches		
Width		18.2 mm / 0.717 inches		
Height		15.2 mm / 0.598 inches		
Height from the surface		11.4 mm / 0.449 inches		
Depth		12 mm / 0.472 inches		
Solder pin length		3.8 mm		
Solder pin dimensions		1 x 1 mm		
Drilled hole diameter with tolerance		1.4 ^(+0.1) mm		
Mechanical data				
Variable coding		Yes		
Anti-rotation protection		Yes		
Plug-in connection				
Contact type (pluggable connector)		Male connector/plug		
Connector (connection type)		for PCB		
Mismating protection		Yes		
Mating direction to the PCB		0°		
PCB contact				
PCB contact		THT		
Solder pin arrangement		over the entire male connector (in-line)		
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	0.023 MJ
Weight	1.1 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	4044918869515
Customs tariff number	85366930000

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
CSA DEKRA Certification B.V.	C22.2	1466354
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
UL Underwriters Laboratories Inc.	UL 1977	E45171
UL Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Railway Ready



Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	19-HG1869876-PDA
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 721-433/001-000



Documentation

Additional Information
Technical Section 03.04.2019 pdf 2010.85 KB



CAD/CAE-Data

CAD data
2D/3D Models 721-433/001-000



CAE data
EPLAN Data Portal 721-433/001-000
ZUKEN Portal 721-433/001-000



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



[Item No.: 722-103/026-000](#)
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mis-
mating; 2,50 mm²; light gray



[Item No.: 722-203/026-000](#)
1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mis-
mating; 2,50 mm²; light gray



[Item No.: 721-103/026-000](#)
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-
pole; 100% protected against mismatching; 2,50 mm²; light gray



[Item No.: 721-103/031-000](#)
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-
pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



[Item No.: 721-103/037-000](#)
1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-
pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light
gray



[Item No.: 2721-1103/326-000](#)
1-conductor female connector; lever; Pu-
sh-in CAGE CLAMP®; 2.5 mm²; Pin spa-
cing 5 mm; 3-pole; 100% protected
against mismatching, coding finger; 2,50
mm²; light gray



[Item No.: 2721-1103/037-000](#)
1-conductor female connector; lever; Pu-
sh-in CAGE CLAMP®; 2.5 mm²; Pin spa-
cing 5 mm; 3-pole; 100% protected
against mismatching; Lateral locking levers;
2,50 mm²; light gray



[Item No.: 2721-103/026-000](#)
1-conductor female connector; push-but-
ton; Push-in CAGE CLAMP®; 2.5 mm²; Pin
spacing 5 mm; 3-pole; 100% protected
against mismatching; 2,50 mm²; light gray



1.1.1 Female connector/socket



Item No.: 2721-103/031-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray



Item No.: 2721-103/037-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 2721-103/026-000/133-000
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Strain relief plate; 2,50 mm²; light gray



Item No.: 721-2103/037-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray



Item No.: 721-2103/026-000
2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 3-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



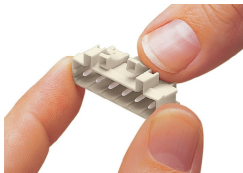
Item No.: 210-833
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white



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).