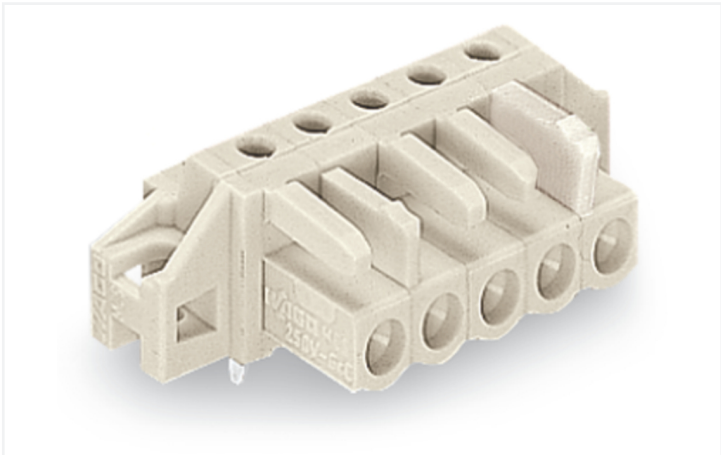


Data Sheet | Item Number: 722-234/031-000

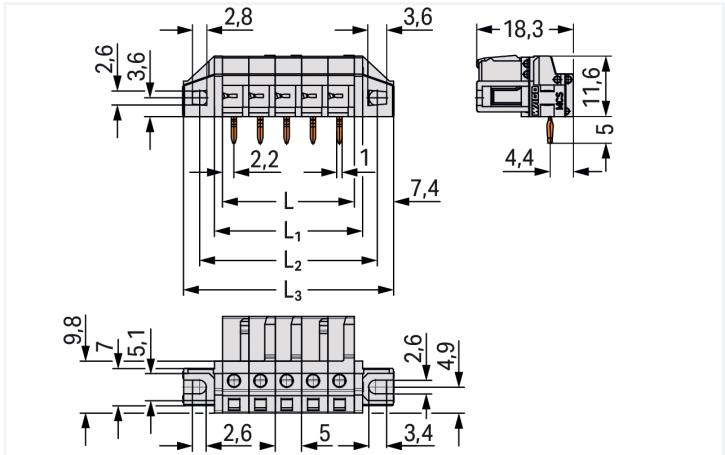
THT female header; angled; Pin spacing 5 mm; 4-pole; 100% protected against mis-mating; clamping collar; 0.6 x 1.0 mm solder pin; light gray

<https://www.wago.com/722-234/031-000>

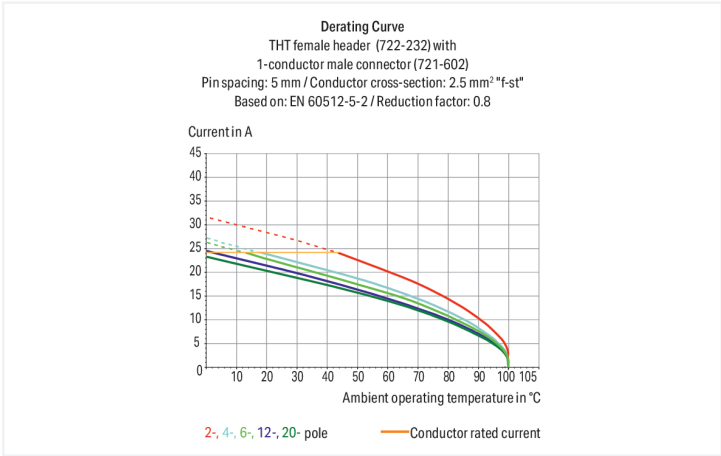


Color: ■ light gray

Similar to illustration



Dimensions in mm
L = pole no. x pin spacing
L1 = L + 3 mm
L2 = L + 8.8 mm
L3 = L + 14.8 mm
2-pole female connectors – one latch only



Federleiste/Buchse Serie 722, lichtgrau

Die Federleiste/Buchse mit der Artikelnummer 722-234/031-000 bietet eine fehlerfreie Elektroinstallation. Setzen Sie beim Design-In Ihres Gerätes auf erprobte Sicherheit: Mit Leiterplatten-Steckverbindern erhalten Sie diverse Verwendungsmöglichkeiten. Die Maße sind in Breite x Höhe x Tiefe (34,8 x 16,6 x 18,25) mm. Für die Oberfläche der Kontakte wurde Zinn verwendet. Das "Multi Connection System" – MCS von WAGO ist das vielfältige Steckverbindersystem mit überzeugenden Lösungen für Ihre Anwendungen. Der Leiterplatten-Steckverbinder wird mittels THT verlötet.

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	15 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		15 A			Rated voltage	300 V
					Rated current	15 A

Connection data			
Clamping units	4	Connection 1	
Total number of potentials	4	Pole number	4
Number of connection types	1		
Number of levels	1		

Physical data		
Pin spacing	Pin spacing	5 mm / 0.197 inches
Width		34.8 mm / 1.37 inches
Height		16.6 mm / 0.654 inches
Height from the surface		11.6 mm / 0.457 inches
Depth		18.25 mm / 0.719 inches
Solder pin length		5 mm
Solder pin dimensions		0.6 x 1 mm
Drilled hole diameter with tolerance		1.3 ^(+0.1) mm

Mechanical data		
Variable coding		Yes
Mounting type		Mounting flange Feed-through mounting Panel mounting
Anti-rotation protection		Yes

Plug-in connection	
Contact type (pluggable connector)	Female connector/socket
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 female 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 (main housing)		Polyamide (PA66)
Flammability class per UL94		V0
Contact material		Copper alloy
Contact Plating		Tin
Fire load		0.082 MJ
Weight		4.4 g

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



Commercial data	
Product Group	3 (Multi Conn. System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918627061
Customs tariff number	85366990990

Product classification	
UNSPSC	39121409
eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 9.0	EC002637
ETIM 8.0	EC002637
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
CSA DEKRA Certification B.V.	C22.2	1466354	Railway WAGO GmbH & Co. KG	-	Railway Ready
UL Underwriters Laboratories Inc.	UL 1059	UL-US- L45172-6187117-81111991-1			
UR Underwriters Laboratories Inc.	UL 1977	E45171			

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 722-234/031-000	



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data
2D/3D Models 722-234/031-000



CAE data
EPLAN Data Portal 722-234/031-000
ZUKEN Portal 722-234/031-000



PCB Design
Symbol and Footprint via SamacSys 722-234/031-000
Symbol and Footprint via Ultra Librarian 722-234/031-000



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 721-604
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 4-pole; 100% protected against mismatching; 2,50 mm²; light gray

1.2 Optional Accessories

1.2.1 Installation

1.2.1.1 Mounting accessories



Item No.: 231-295
Screw with nut

Item No.: 231-195
Screw with nut; M2x12; for fixing element

Item No.: 209-147
Self-tapping screw

Item No.: 231-194
Self-tapping screw; B 2.2x13, fixing hole 1.8 mm Ø



1.2.2 Test and measurement

1.2.2.1 Testing accessories



Item No.: [210-136](#)
Test plug; 2 mm Ø; with 500 mm cable; red



Item No.: [231-661](#)
Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray