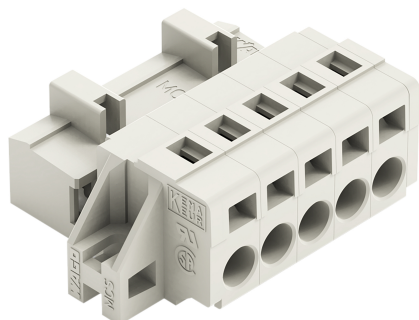


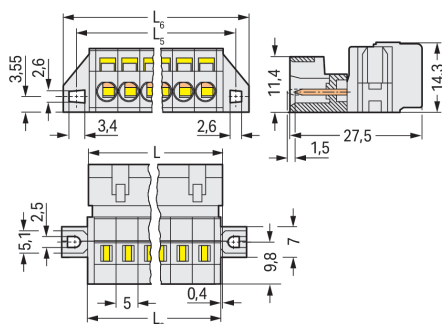
Data Sheet | Item Number: 721-605/019-000

1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 5-pole; 100% protected against mismating; clamping collar; 2,50 mm²; light gray

<https://www.wago.com/721-605/019-000>



Color: ■ light gray



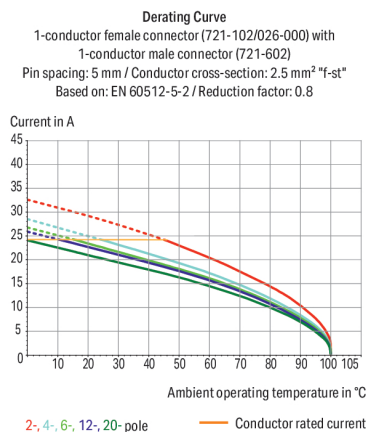
Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$
 $L_2 = L - 0.2 \text{ mm}$
 $L_5 = L_2 + 5.8 \text{ mm}$
 $L_6 = L_2 + 11.8 \text{ mm}$

Male connector, 721 Series, light gray

Our male connector (item number 721-605/019-000) simplifies electrical installations. Strip lengths must be between 8 and 9 mm when connecting conductors to this male connector. Featuring one conductor terminal along with CAGE CLAMP®, this connector delivers reliable performance. Our trusted universal connection known as CAGE CLAMP® is the industry standard when it comes to connection technology and electrical interconnections. The dimensions are (39.8 x 14.3 x 27.5) mm (width x height x depth). This male connector is suitable for conductor cross sections ranging from 0.08 mm² to 2.5 mm².

Tin is used for coating the contact surfaces.



Notes	
Safety Information	The MCS – <i>MULTI CONNECTION SYSTEM</i> 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		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		320 V	320 V	630 V
Rated impulse withstand 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		15 A	-	10 A
Approvals per		UL 1977		
Rated voltage		600 V		
Rated current		15 A		
Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		15 A	-	10 A

Connection Data																								
Clamping units	5	Connection 1 <table><tr><td>Connection technology</td><td>CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Operating tool</td></tr><tr><td>Actuation direction 1</td><td>Operation parallel to conductor entry</td></tr><tr><td>Actuation direction 2</td><td>Operation perpendicular to conductor entry</td></tr><tr><td>Solid conductor</td><td>0.08 ... 2.5 mm² / 28 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.08 ... 2.5 mm² / 28 ... 12 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated ferrule</td><td>0.25 ... 1.5 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 2.5 mm²</td></tr><tr><td>Strip length</td><td>8 ... 9 mm / 0.31 ... 0.35 inches</td></tr><tr><td>Pole number</td><td>5</td></tr><tr><td>Conductor entry direction to mating direction</td><td>0 °</td></tr></table>	Connection technology	CAGE CLAMP®	Actuation type	Operating tool	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	5	Conductor entry direction to mating direction	0 °
Connection technology	CAGE CLAMP®																							
Actuation type	Operating tool																							
Actuation direction 1	Operation parallel to conductor entry																							
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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	5																							
Conductor entry direction to mating direction	0 °																							
Total number of potentials	5																							
Number of connection types	1																							
Number of levels	1																							

Physical data	
Pin spacing	5 mm / 0.197 inches
Width	39.8 mm / 1.567 inches
Height	14.3 mm / 0.563 inches
Depth	27.5 mm / 1.083 inches

Mechanical data	
Variable coding	Yes
Direct ground contact to DIN-rail/drilled hole/housing	No
Mounting type	Mounting flange
Mounting type	Feed-through mounting Panel mounting
Anti-rotation protection	Yes
Suitable for through-panel applications	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	0.151 MJ
Weight	8.8 g

Environmental requirements		
Limit temperature range	-60 ... +100 °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 f₁ = 5 Hz to f₂ = 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 f₁ = 5 Hz to f₂ = 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
Processing temperature	-35 ... +60 °C	

Product Group	3 (Multi Conn. System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918262934
Customs tariff number	85366930000

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

RoHS Compliance Status	Compliant, No Exemption
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Environmental Product Compliance

Environmental Product
Compliance
721-605/019-000



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 721-605/019-000	↓

CAE data	
EPLAN Data Portal 721-605/019-000	↓
ZUKEN Portal 721-605/019-000	↓

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com