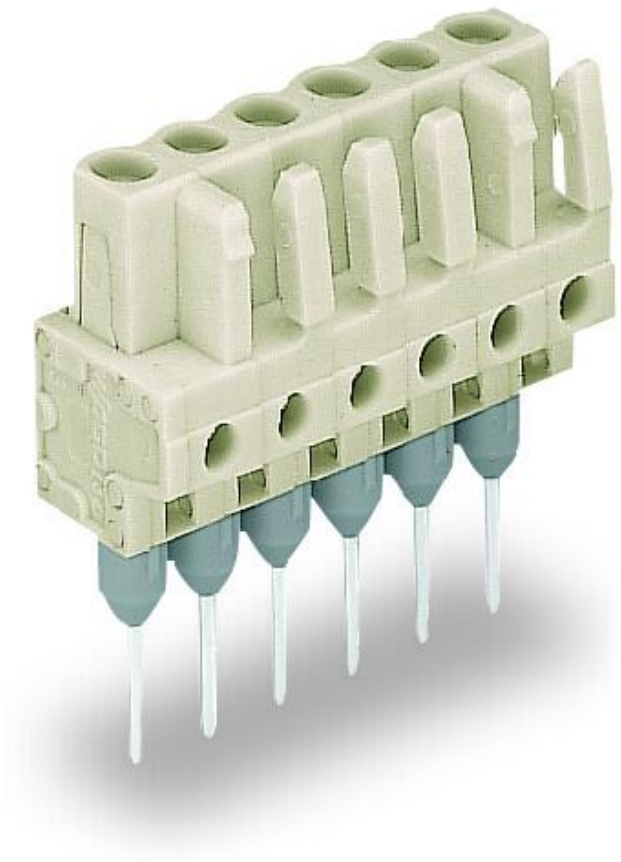
Data sheet | Item number: 722-146/005-000

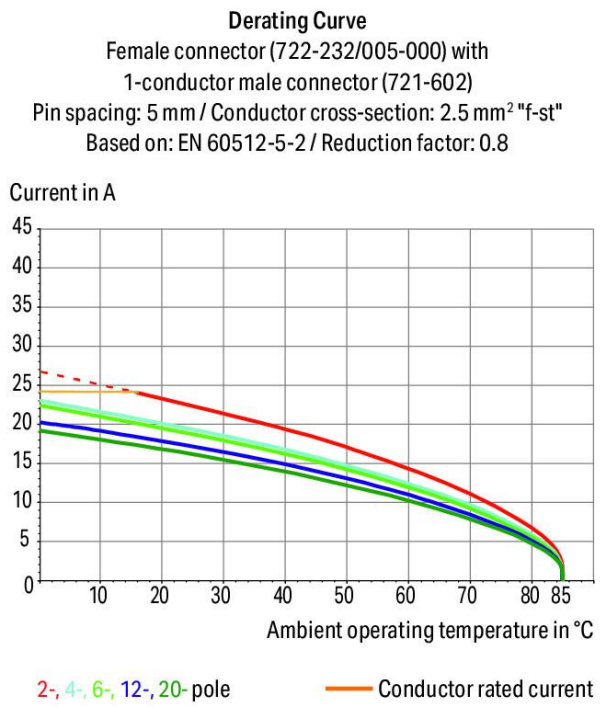
Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 16-pole; light gray

www.wago.com/722-146/005-000



Picture differs from the item.

Color:



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

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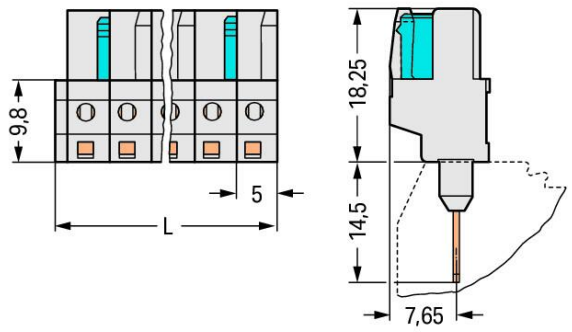

Dimensions in mm
L = (pole no. x pin spacing) + 1.5 mm
2-pole female connectors – one latch only

Item description

- Pluggable connectors for rail-mount terminal blocks equipped with CAGE CLAMP® connection
- Female connectors with long contact pins connect to the termination ports of 280 Series Rail-Mount Terminal Blocks
- Female connectors are touch-proof when unmated, providing a pluggable, live output
- 100 % protected against mismating
- With coding fingers

Data
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 Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

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Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	320 V
Rated impulse voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated impulse voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per UL 1977

Rated voltage (UL 1977)	600 V
Rated current UL 1977	15 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	15 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Total number of potentials	16
Number of connection types	1
Number of levels	1

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Connection 1

Pole number	16

Physical data

Pin spacing	5 mm / 0.197 inches
Width	81.5 mm / 3.209 inches
Height	32.75 mm / 1.289 inches
Height from the surface	18.25 mm / 0.719 inches
Depth	11.6 mm / 0.457 inches

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for front-entry rail-mount terminal block
Mismating protection	Yes
Plugging without loss of pin spacing	No
Locking of plug-in connection	none
Mating direction to the rail-mount terminal block	90 °

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	Copper alloy
Contact plating	Tin
Fire load	0.447 MJ
Weight	16.9 g

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Environmental requirements

Limit temperature range	-60 … +85 °C
Processing temperature	-35 … +60 °C

Commercial data

Product Group	3 (Multi Conn. System)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
ECCN	NO DATA
PU (SPU)	25 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918570428
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-39756/A1
	CCC CQC	GB/T 13140.1	CQC03003003013
	CSA DEKRA Certification B.V.	C22.2	1466354
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-121453
	UR Underwriters Laboratories Inc.	UL 1977	E45171

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Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1869876-PDA
	BV Bureau Veritas S.A.	IEC 60998	11915/D0 BV
	DNV DNV GL SE	-	TAE000016Z

Counterpart

Item no.721-616
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 16-pole; 100% protected against mismating; 2,50 mm²; light gray

www.wago.com/721-616

Optional accessories

Testing and measuring

Testing accessories

Item no.: 210-136
Test plug; 2 mm Ø; with 500 mm cable; red

www.wago.com/210-136

Item no.: 231-661
Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing; 2,50 mm²; light gray

www.wago.com/231-661

Mounting

Empty housings

Item no.: 280-835/056-000
Spacer of same profile; suitable for 4-conductor terminal blocks of horizontal type; orange

www.wago.com/280-835/056-000

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Item no.: 280-902/056-000
Spacer of same profile; suitable for 2-conductor terminal blocks of horizontal type; orange

www.wago.com/280-902/056-000

Item no.: 280-650/056-000
Spacer of same profile; suitable for 3-conductor terminal blocks of horizontal type; orange

www.wago.com/280-650/056-000

Item no.: 280-654/056-000
Spacer of same profile; suitable for 3- and 4-conductor terminal blocks of angled type; orange

www.wago.com/280-654/056-000

Downloads

Documentation

Additional Information

Technical Section Technical explanations	2019 年4月3日	pdf 2.1 MB	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 722-146/005-000	URL	Download
ZUKEN Portal 722-146/005-000	URL	Download
EPLAN Data Portal 722-146/005-000	URL	Download

CAD data

2D/3D Models 722-146/005-000	URL	Download

Asset Administration Shell

Asset Administration Shell 722-146/005-000	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 722-146/005-000	URL	Download

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Female connector for rail-mount terminal blocks; 0.6 x 1 mm pins; straight; 100% protected against mismating; Pin spacing 5 mm; 16-pole; light gray

Installation Notes

Product family

MCS MIDI
Show all products from the family

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