Data sheet | Item number: 734-465

THT female header; straight; Pin spacing 3.5 mm; 5-pole; 100% protected against mismating; 0.9 x 0.9 mm solder pin; light gray
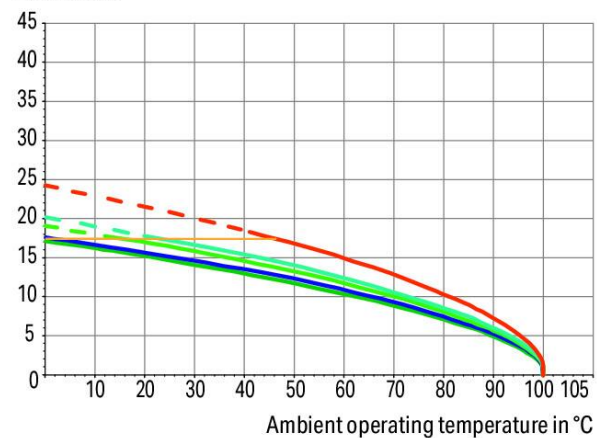
www.wago.com/734-465

Picture differs from the item.

Color:

Derating Curve
THT female header (734-532) with
1-conductor male connector (734-302)
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm^2 "f-st"
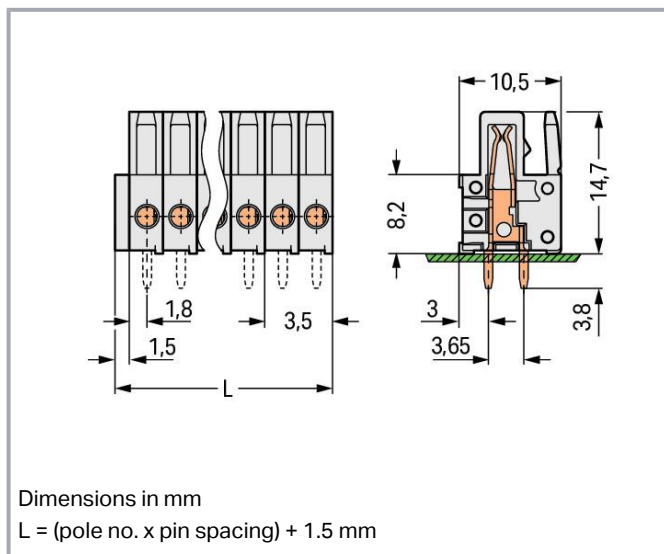Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A

Ambient operating temperature in °C

2-, 4-, 6-, 12-, 24- pole   Conductor rated current

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

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Dimensions in mm
L = (pole no. x pin spacing) + 1.5 mm

Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- Integrated test ports for 2 mm Ø test plugs
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify inputs and outputs
- 100% protected against mismating
- Coding option available

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 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

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

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated impulse voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated impulse voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 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)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

Ratings per CSA

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

Connection data

Connection points	5
Total number of potentials	5
Number of connection types	1
Number of levels	1

Connection 1

Pole number	5

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

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	19 mm / 0.748 inches
Height	18.5 mm / 0.728 inches
Height from the surface	14.7 mm / 0.579 inches
Depth	10.5 mm / 0.413 inches
Solder pin length	3.8 mm
Solder pin dimensions	0.9 x 0.9 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)	Female connector/socket
Connector (connection type)	for PCB
Mismating protection	Yes
Plugging without loss of pin spacing	No
Mating direction to the PCB	90 °
Locking of plug-in connection	none

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	Polyamide (PA66)
Flammability class per UL94	V0

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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Contact material	Copper alloy
Contact plating	Tin
Fire load	0.027 MJ
Weight	2.6 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)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4044918999854
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.	EN 61984	NL-54190
	CSA DEKRA Certification B.V.	C22.2	1465035
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-105522

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

	UL Underwriters Laboratories Inc.	UL 1977	E 45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	DNV DNV GL SE	-	TAE000016Z
	LR Lloyds Register	IEC 61984	96/20035 (E5)

Counterpart

	Item no.734-305 1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; 100% protected against mismating; 1,50 mm²; light gray	www.wago.com/734-305
	Item no.734-305/019-000 1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; 100% protected against mismating; clamping collar; 1,50 mm²; light gray	www.wago.com/734-305/019-000
	Item no.734-305/033-000 1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 5-pole; 100% protected against mismating; Strain relief plate; 1,50 mm²; light gray	www.wago.com/734-305/033-000
	Item no.734-135 THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismating; Pin spacing 3.5 mm; 5-pole; light gray	www.wago.com/734-135
	Item no.734-165 THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismating; Pin spacing 3.5 mm; 5-pole; light gray	www.wago.com/734-165
	Item no.734-135/046-000 THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismating; Pin spacing 3.5 mm; 5-pole; light gray	www.wago.com/734-135/046-000

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

W∕AGO

Item no.734-135/010-000
THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismating; Gold-plated contacts; Pin spacing 3.5 mm; 5-pole; light gray

www.wago.com/734-135/010-000

Downloads
Documentation

Additional Information

	2019 Apr 3	pdf 2.1 MB	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 734-465	URL	Download
ZUKEN Portal 734-465	URL	Download

PCB Design

Symbol and Footprint via Ultra Librarian 734-465	URL	Download

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics
- BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design
- Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X

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

- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

Symbol and Footprint via SamacSys 734-465	URL	Download

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints",
allow easy integration of the WAGO component into your development environment.

Supported formats:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD_Allegro16
- PADS
- Proteus

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- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

CAD data

2D/3D Models 734-465	URL	Download

Asset Administration Shell

Asset Administration Shell 734-465	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 734-465	URL	Download

THT female header; straight; Pin spacing 3.5 mm; 5-pole; 100% protected against mismating; 0.9 x 0.9 mm solder pin; light gray

Installation Notes

Product family

MCS MINI
Show all products from the family

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