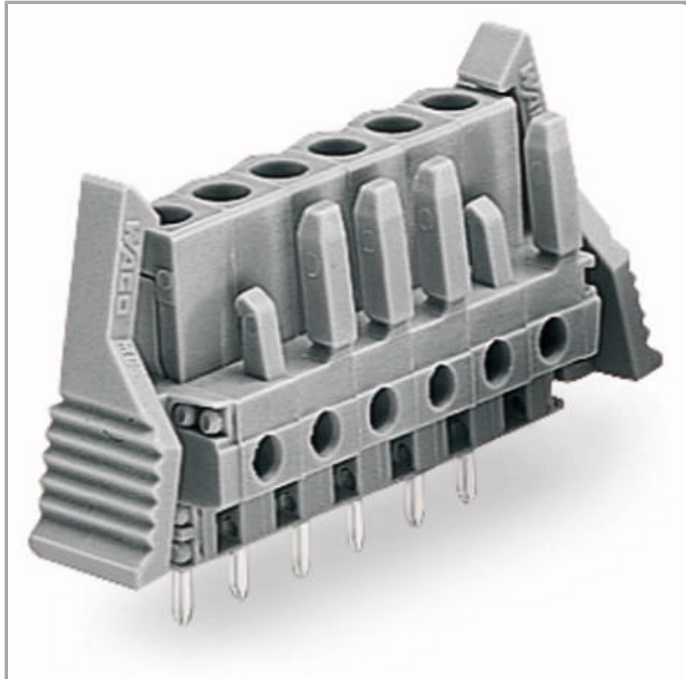


## Data sheet | Item number: 232-146/039-000

THT female header; 0.6 x 1.0 mm solder pin; straight; Locking lever; Pin spacing 5 mm; 16-pole

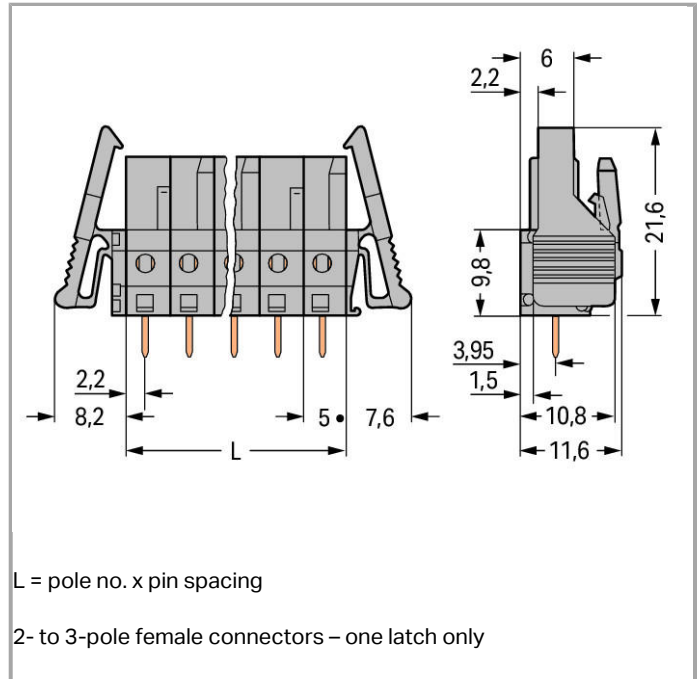


[www.wago.com/232-146/039-000](http://www.wago.com/232-146/039-000)



RoHS Compliant

Color:



### Item description

- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- With coding fingers

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: 3.8 mm pin projection for male headers with straight solder pins, Gold-plated or partially gold-plated contact surfaces, Other pole numbers

### Data

#### Electrical data

### Ratings per IEC/EN 60664-1

Rated 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
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	12 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

### 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

### 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

No. of poles	16
Total number of potentials	16
Number of levels	1

### Geometrical Data

Pin spacing	5 mm (0.197 inch)
Width	95.8 mm / 3.772 inch
Height	26.6 mm / 1.047 inch
Height from the surface	21.6 mm / 0.85 inch
Depth	11.6 mm / 0.457 inch
Solder pin length	5 mm
Solder pin dimensions	0.6 x 1 mm
Drilled hole diameter (tolerance)	1.3 <sup>(+0.1)</sup> mm

## Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for PCBs
Mismating protection	No
Mating direction to the PCB	90°
Locking of plug-in connection	locking lever

## PCB contact

PCB contact	THT
Solder pin arrangement	over the entire female connector, in line
Number of solder pins per potential	1

## Material Data

Color	gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0.283 MJ
Weight	16.1 g

## Environmental Requirements


Limit temperature range	-60 ... +85 °C
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## Commercial data

Country of origin	DE
GTIN	4044918623636
Customs Tariff No.	85366990990
Product Group	3 (Multi Conn. System)

## Approvals / Certificates

### Country specific Approvals


Logo	Approval	Certificate name
	CSA DEKRA Certification B.V.	1466354

UL-Approvals

Logo	Approval	Certificate name
	UL UL International Germany GmbH	E45172
	UR UL International Germany GmbH	E45171
	UR UL International Germany GmbH	E45171

Compatible products

check

	<p><b>Item no.: 231-661</b> Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing</p>	<a href="http://www.wago.com/231-661">www.wago.com/231-661</a>
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Downloads

smartDATA

PCB libraries

<p>DesignSpark Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with DesignSpark PCB Version 4.x or higher</p>	<p>2.1 Oct 6, 2014</p>	<p>ZIP 6.1 MB</p>	<p>Download</p>
<p>EAGLE Library for WAGO Pluggable PCB Connectors (MULTI CONNECTION SYSTEM) Compatible with EAGLE PCB Design Software Version 6.x or higher</p>	<p>2.1 Nov 17, 2017</p>	<p>ZIP 6.2 MB</p>	<p>Download</p>
<p>TARGET Library for WAGO Pluggable PCB Connectors (Multi-Connection System) Compatible with TARGET PCB Design Software Version 17.x</p>	<p>1.1.0 Oct 6, 2014</p>	<p>ZIP 7.4 MB</p>	<p>Download</p>

CAD data

3D Download 232-146/039-000	URL	Download
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Subject to changes.

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