

Data sheet | Item number: 232-167/031-000

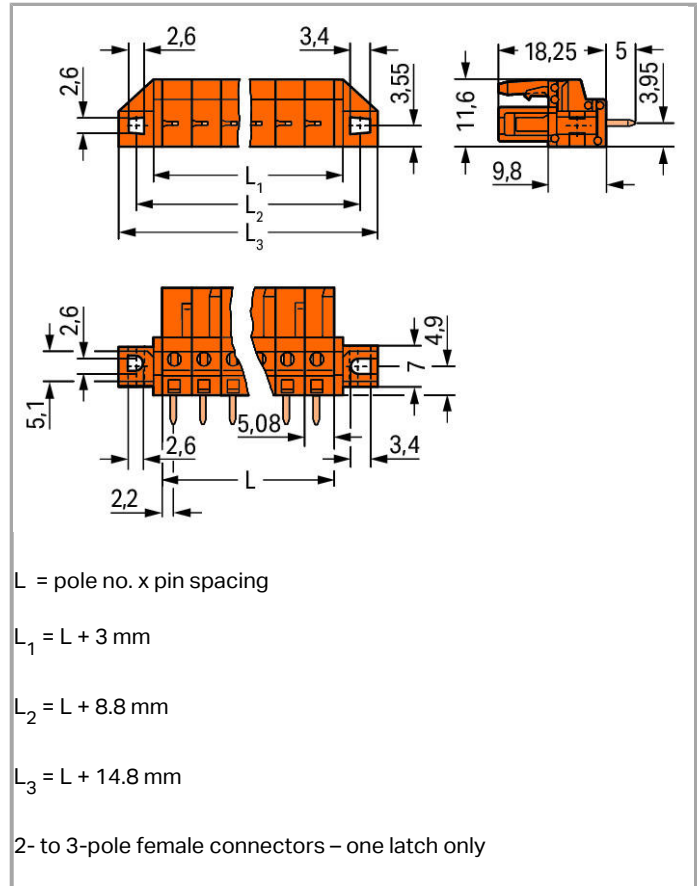
THT female header; 0.6 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5.08 mm; 7-pole

www.wago.com/232-167/031-000



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 | 7 |
| Total number of connection points | 7 |
| Total number of potentials | 7 |
| Number of levels | 1 |

Geometrical Data

| | |
|-----------------------------------|--------------------------|
| Pin spacing | 5.08 mm (0.2 inch) |
| Width | 50.36 mm / 1.983 inch |
| Height | 23.25 mm / 0.915 inch |
| Height from the surface | 18.25 mm / 0.719 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 ^(+0.1) mm |



Mechanical data

| | |
|------------------|---|
| Mounting type | Mounting flange |
| Type of mounting | Feed-through mounting Panel mounting |

Plug connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type | for PCBs |
| Mismatching protection | No |
| Mating direction to the PCB | 90° |

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 | orange |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Contact material | Copper alloy |
| Contact plating | tin-plated |
| Fire load | 0.12 MJ |
| Weight | 6.72 g |

Environmental Requirements

| | |
|-------------------------|----------------|
| Limit temperature range | -60 ... +85 °C |
|-------------------------|----------------|

Commercial data

| | |
|--------------------|------------------------|
| Country of origin | DE |
| GTIN | 4044918624015 |
| Customs Tariff No. | 85366990990 |
| Product Group | 3 (Multi Conn. System) |

Approvals / Certificates

UL-Approvals

| Logo | Approval | Certificate name |
|------|-------------------------------------|------------------|
| | UL UL International Germany GmbH | E45171 |



Compatible products

check



Item no.: 210-136

Test plug; 2 mm Ø; with 500 mm cable

www.wago.com/210-136



Item no.: 210-137

Test plug; 2.3 mm Ø; with 500 mm cable

www.wago.com/210-137



Item no.: 231-661

Test plugs for female connectors; for 5 mm and 5.08 mm pin spacing

www.wago.com/231-661

assembling



Item no.: 231-194

Self-tapping screw; B 2.2x13, fixing hole 1.8 mm Ø

www.wago.com/231-194



Item no.: 231-195

Screw with nut; M2x12; for fixing element

www.wago.com/231-195

Downloads

smartDATA

PCB libraries

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

CAD data

| | | |
|-----------------------------|-----|----------|
| 3D Download 232-167/031-000 | URL | Download |
|-----------------------------|-----|----------|



Subject to changes.

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