

Data sheet | Item number: 733-368/105-604

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismatching; Pin spacing 2.5 mm; 8-pole



www.wago.com/733-368/105-604



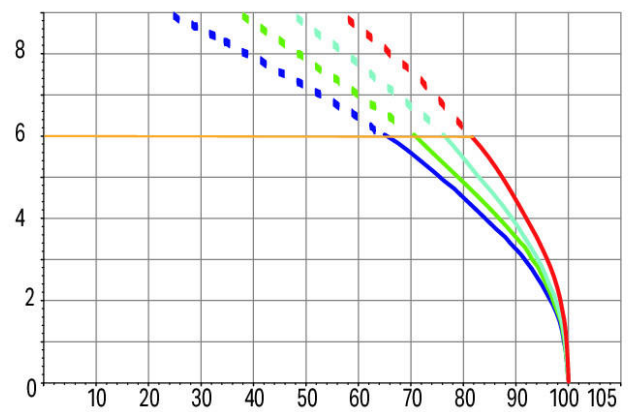
RoHS
Compliant



Color: ■

Derating-Kurve
1-Leiter-Federleiste (733-102) mit
THR-Stiftleiste (733-332/105-604)
Rastermaß 2,5 mm / Leiterquerschnitt 0,5 mm² „f“
In Anlehnung an: EN 60512-5-2 / Reduktionsfaktor 0,8

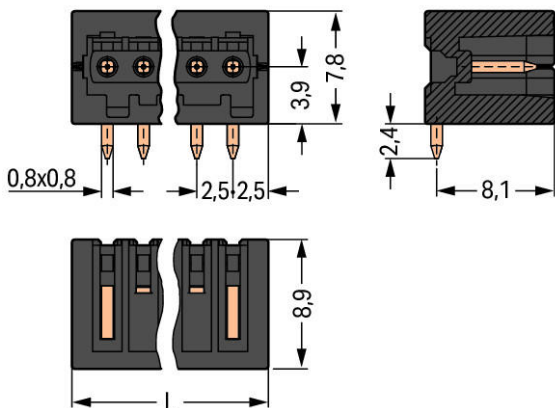
Strom in A



Umgebungstemperatur in °C

2-, 4-, 6-, 12- polig

— Leiterbemessungsstrom



L = (pole no. + 1) x pin spacing

Item description

- THR male headers for reflow soldering in SMT applications



- Available in tape-and-reel packaging for automated pick-and-place PCB assembly
- Optimal thermal penetration via pin enclosure design provides lower soldering temperatures
- 100% protected against mismatching
- Coding via coding fingers

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Gold-plated or partially gold-plated contact surfaces, Other pole numbers, Other solder pin lengths

Data

Electrical data

Ratings per IEC/EN 60664-1

| | |
|---------------------------------|--|
| Rated voltage (III / 3) | 80 V |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2) | 160 V |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2) | 320 V |
| Rated impulse voltage (II / 2) | 2.5 kV |
| Rated current | 6 A |
| Legend (ratings) | (III / 2) \triangleq Overvoltage category III / Pollution degree 2 |

Connection data

| | |
|----------------------------|---|
| No. of poles | 8 |
| Total number of potentials | 8 |
| Number of levels | 1 |

Geometrical Data

| | |
|------------------------------------|--------------------------|
| Pin spacing | 2.5 mm (0.098 inch) |
| Width | 22.5 mm / 0.886 inch |
| Height | 10.2 mm / 0.402 inch |
| Height from the surface | 7.8 mm / 0.307 inch |
| Depth | 8.9 mm / 0.35 inch |
| Solder pin length | 2.4 mm |
| Solder pin dimensions | 0.8 x 0.8 mm |
| Plated through-hole diameter (THR) | 1.2 ^(+0.1) mm |

Plug connection

| | |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type | for PCBs |
| Mismatching protection | Yes |

| | |
|-----------------------------|----|
| Mating direction to the PCB | 0° |
|-----------------------------|----|

PCB contact

| | |
|-------------------------------------|---|
| PCB contact | THR |
| Solder pin arrangement | over the entire male connector, in line |
| Number of solder pins per potential | 1 |

Material Data

| | |
|-----------------------------|---------------------------|
| Color | black |
| Material group | I |
| Insulating material | Polyphthalamide (PPA GF) |
| Flammability class per UL94 | V0 |
| Contact material | Electrolytic copper (Ecu) |
| Contact plating | tin-plated |
| Fire load | 0.024 MJ |
| Weight | 1.27 g |

Environmental Requirements



| | |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
|-------------------------|-----------------|

Commercial data

| | |
|--------------------|------------------------|
| Country of origin | DE |
| GTIN | 4045454676247 |
| Customs Tariff No. | 85366990990 |
| Product Group | 3 (Multi Conn. System) |



Approvals / Certificates

Country specific Approvals



| Logo | Approval | Certificate name |
|--|---------------------------------|------------------|
|  | CCA DEKRA Certification B.V. | 2169534.01 |
| | CCA DEKRA Certification B.V. | NL-31141 |
|  | CSA DEKRA Certification B.V. | 1465035 |
| | CSA DEKRA Certification B.V. | 1465035 |



Ship Approvals

| Logo | Approval | Certificate name |
|--|---|------------------|
|  | ABS American Bureau of Shipping | 14-HG1241537-PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | TAE000016Z |

UL-Approvals

| Logo | Approval | Certificate name |
|--|---|------------------|
|  | UL UL International Germany GmbH | E45171 |
|  | UL Underwriters Laboratories Inc. | E45172 |

Compatible products

| Coding | | |
|--|--|--|
|  | Item no.: 733-331 Coding key; snap-on type | www.wago.com/733-331 |

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 733-368/105-604

URL

Download

Subject to changes.

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