# Data sheet

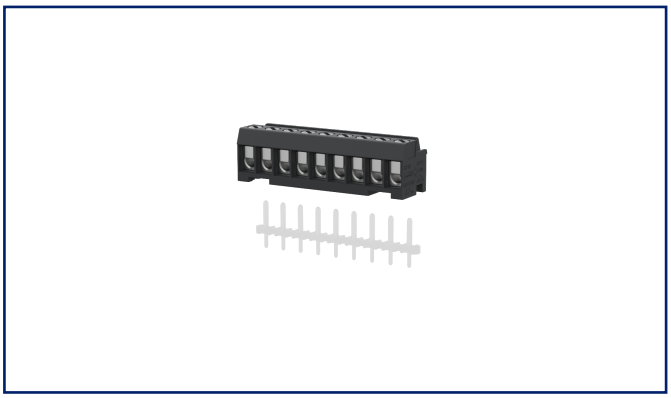
## RP02509HBWC Type 107



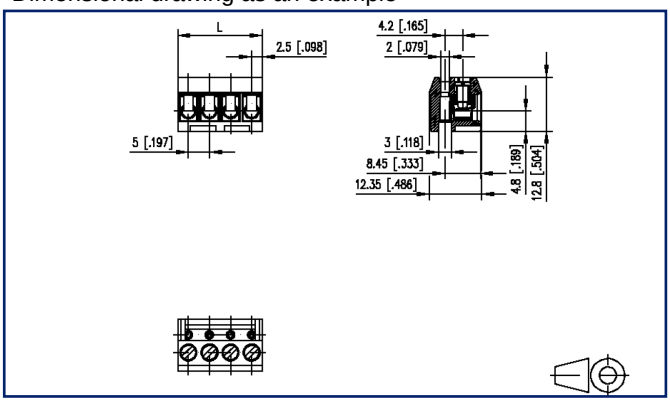
**P/N 31107109**

2026/11/13

## Illustrations



Dimensional drawing as an example




See enlarged drawings at the end of document

## Product specification

- screw type terminal block, pluggable
- centerline 5.00 mm, direction of connection 90°
- wire protector, fittable without loss of poles
- color black
- Wire entry perpendicular to plug direction

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METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433 | info@metz-connect.com

## Technical Data

| | | | |
|---|---|---|---|
| **General Data** | | | |
| Tightening torque SEV | 0.5 Nm | | |
| Tightening torque UL | 4.4 lb-in | | |
| pole size | 9 | | |
| Insulating material class | CTI 600 | | |
| clearance/creepage dist. | 2.3 mm | | |
| Protection category | IP00 | | |
| Insul. strip length | 6 mm | | |
| Rated current | 10 A | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Rated voltage | 100 V | 320 V | 320 V |
| Rated test voltage | 2.5 kV | 2.5 kV | 2.5 kV |
| **Terminal data** | | | |
| rat.wiring solid AWGmax | 0.08 mm² - 2.5 mm² / AWG 28 - AWG 12 | | |
| rat.wiring strand.AWGmax | 0.08 mm² - 2.5 mm² / AWG 28 - AWG 12 | | |
| **Approvals** | | | |
| c UL us V / A / AWG | 300 / 10 / 28 - 12 | | |
| approval UL - File No. | E121004 | | |
| SEV | 250 V / 2.5 kV / 10 A | | |
| **Material** | | | |
| insulating material | PA66 | | |
| flammability class | V0 | | |
| contact material | CuSn | | |
| Contact surface | Sn | | |
| terminal body thread | M3 | | |
| terminal body material | CuZnPb | | |
| terminal body surface | Ni | | |
| screw thread | M3 | | |
| screw material | 8,8 | | |
| screw surface | Zn Cr(VI)-frei/free | | |

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## Technical Data

| | |
|---|---|
| wire protector material | CuSn |
| wire protector surface | Sn |
| Glow-Wire Flammability GWFI | 850 °C acc. to IEC 60695-2-12 |
| Glow-Wire Flammability GWIT | 775 °C acc. to IEC 60695-2-13 |
| **Climatic Data** | |
| upper limit temperature | 105 °C |
| lower limit temperature | -40 °C |
| **general** | |
| Tolerance | ISO 2768 -mH |

### Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way.

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## Accessories

| P/N | Designation |
|---|---|
| 710084 | Mounting flange right for type 07, 08 |
| 710085 | Mounting flange left for type 07, 08 |
| 710121-2 | Coding pin short for type 007 |
| 710122-2 | Coding pin long for type 007 |
| 716846 | Coding comb pastel blue |

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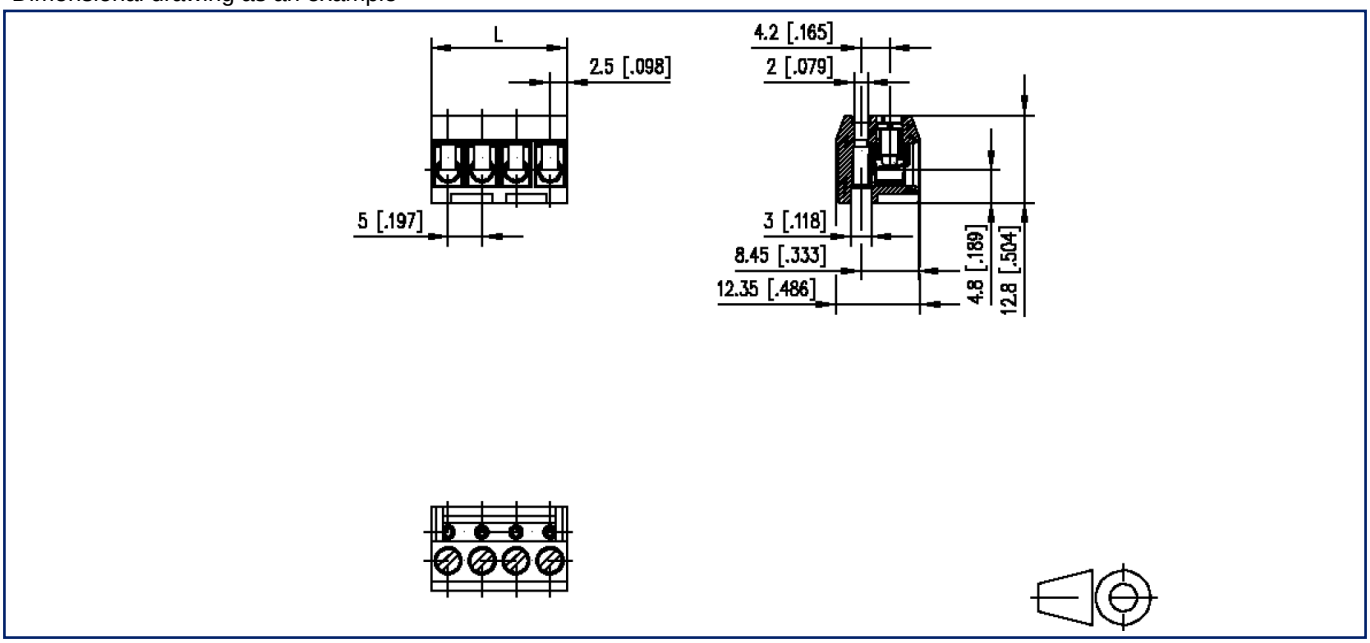
## Counterpart

| P/N | Designation |
|---|---|
| 310171 | PR015xxVBHC Type 017 |
| 31017109 | PR01509VBHC Type 017 |
| 310271 | PR015xxVBVC (Type 027) |
| 31027109 | PR01509VBVC (Type 027) |
| 310391 | PT055xxHBHC Type 039 |
| 310411 | PT065xxVBEN Type 041 |
| 31041109 | PT06509VBEN (Type 041), 9-pole |
| 310421 | PT065xxVBVN Type 042 |
| 314171 | PM035xxVBHC (Type 417) |

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## Illustrations

Dimensional drawing as an example




L=(pole size - 1) x centerline + 5 mm [0.197]

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