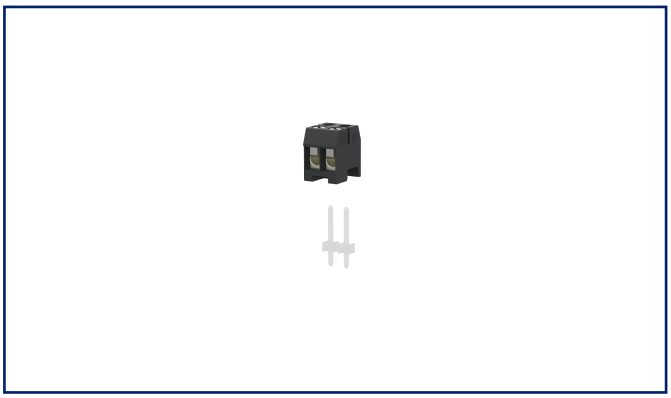
# Data sheet
## RP02302HBWC Type 166

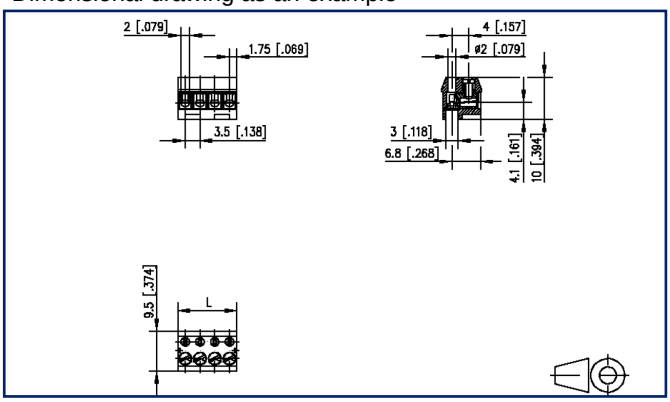
P/N
31166102

2025/08/18

## Illustrations



Dimensional drawing as an example




See enlarged drawings at the end of document

## Product specification

- screw type terminal block, pluggable
- centerline 3.50 mm, direction of connection 90°
- wire protector, fittable without loss of poles
- color black
- Wire entry perpendicular to plug direction

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
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Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

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# Data sheet
# RP02302HBWC Type 166



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## Technical Data

| | | | |
|---|---|---|---|
| **General Data** | | | |
| Tightening torque SEV | 0.15 Nm | | |
| Tightening torque UL | 1.3 lb-in | | |
| pole size | 2 | | |
| Insulating material class | CTI 600 | | |
| clearance/creepage dist. | 2 mm | | |
| Protection category | IP00 | | |
| Insul. strip length | 5 mm | | |
| Rated current | 6 A | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Rated voltage | 32 V | 250 V | 250 V |
| Rated test voltage | 2.5 kV | 2.5 kV | 2.5 kV |
| **Terminal data** | | | |
| rat.wiring solid AWGmax | 0.08 mm² - 1.5 mm² / AWG 28 - AWG 16 | | |
| rat.wiring strand.AWGmax | 0.08 mm² - 1.5 mm² / AWG 28 - AWG 16 | | |
| **Approvals** | | | |
| c UL us V / A / AWG | 125 / 8 / 28 - 16 | | |
| approval UL - File No. | E121004 | | |
| SEV | 200 V / 2.5 kV / 6 A | | |
| **Material** | | | |
| insulating material | PA66 | | |
| flammability class | V0 | | |
| contact material | CuNiZn | | |
| terminal body thread | M2 | | |
| terminal body material | CuZnPb | | |
| terminal body surface | Ni | | |
| screw thread | M2 | | |
| screw material | 8,8 | | |
| screw surface | Zn Cr(VI)-frei/free | | |
| wire protector material | CuNiZn | | |

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**Data sheet**
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## Technical Data

| | |
|---|---|
| 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. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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**Data sheet**
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## Accessories

| P/N | Designation |
|---|---|
| 720158-01-0 | Befestigungsflansch kurz LP1mmfür Typ 165, 166 F_Befest_165_brg_kurz 1mm |
| 720158-01-2 | 720158 |
| 720158-02-2 | Mounting flange for type 166 |
| 720159-01-0 | Kodierstift kurz für Typ 165, 166 F_Kodier_Typ165_brg_kurz |
| 720159-01-2 | Coding pin short for type 166 |
| 720159-02-0 | Kodierstift lang für Typ 165, 166 F_Kodier_Typ165_brg_lang |
| 720159-02-2 | Coding pin long for type 166 |

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# Data sheet
# RP02302HBWC Type 166



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## Counterpart

| P/N | Designation |
|---|---|
| 312241 | PR033xxVBHC Type 224 |
| 312251 | PT153xxHBEC Typ 225 |
| 312261 | PT153xxVBEC Type 226 |
| 313331 | PT023xxHBHC |
| 314241 | PM013xxVBHC Type 424 |

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**Data sheet**
**RP02302HBWC Type 166**

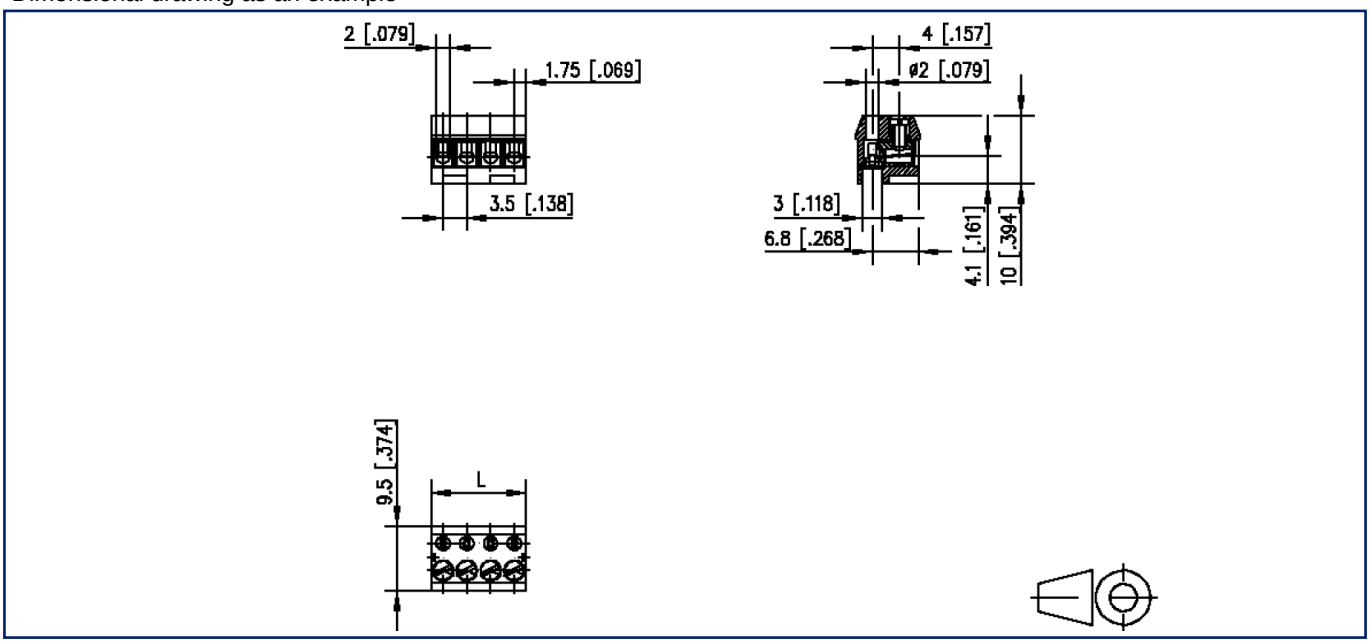


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## Illustrations

Dimensional drawing as an example




L=(pole size - 1) x centerline + 3.5 mm [0.138]

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