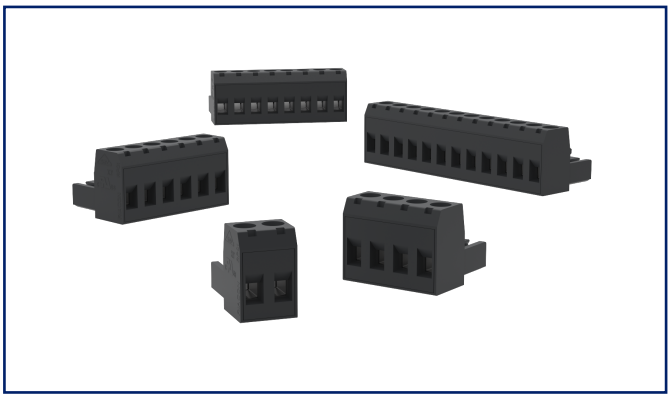
# Data sheet

## RP016xxVBLC Type 249

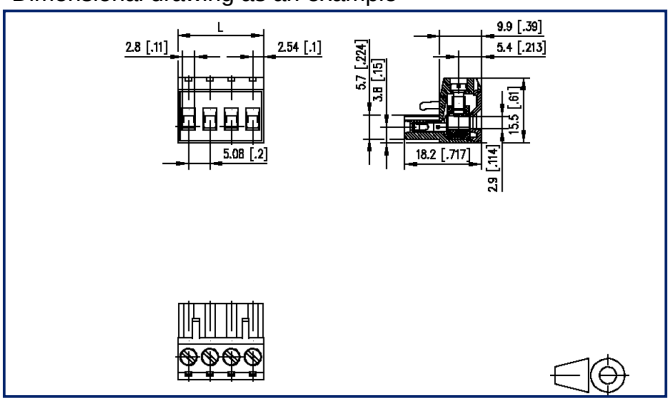


**P/N**
**312491xx**
**xx=number of poles**
2026/11/10
Version: AE

## Illustrations



Dimensional drawing as an example




See enlarged drawings at the end of document

## Product specification

- screw type terminal block, pluggable
- centerline 5.08 mm, direction of connection vertical 0°
- lift system, fittable without loss of poles
- color black
- wire entry codeable side perpendicular to plug direction

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433 | info@metz-connect.com
Weitere Dokumentation siehe / additional documentation see / documentation supplémentaire voir www.metz-connect.com

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

**P/N**
**312491xx**
**xx=number of poles**
2026/11/10
Version: AE

## Technical Data

| | | | |
|---|---|---|---|
| **General Data** | | | |
| Tightening torque SEV | 0.5 Nm | | |
| Tightening torque UL | 4.4 lb-in | | |
| Insulating material class | CTI 600 | | |
| clearance/creepage dist. | 3.6 mm | | |
| Protection category | IP20 with wire connected | | |
| Insul. strip length | 8 mm | | |
| Rated current | 12 A | | |
| Overvoltage category | III | III | II |
| Pollution degree | 3 | 2 | 2 |
| Rated voltage | 160 V | 400 V | 400 V |
| Rated test voltage | 4 kV | 4 kV | 4 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** | | | |
| extended wiring UL | 2 AWG 16-18, or 1 AWG 16 stranded with 1 AWG 18 solid, or 1 AWG 16 stranded with 1 AWG 18 stranded | | |
| c UL us V / A / AWG | 300 / 16 / 28 - 12 | | |
| approval UL - File No. | E121004 | | |
| SEV | 320 V / 4 kV / 13.5 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 | | |

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

## Technical Data

| | |
|---|---|
| screw surface | Zn Cr(VI)-frei/free |
| Glow-Wire Flammability GWFI | 960 °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.

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

## Accessories

| P/N | Designation |
|---|---|
| 700025-01-9 | Coding star white with a group of 6 coding pins |

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

## Counterpart

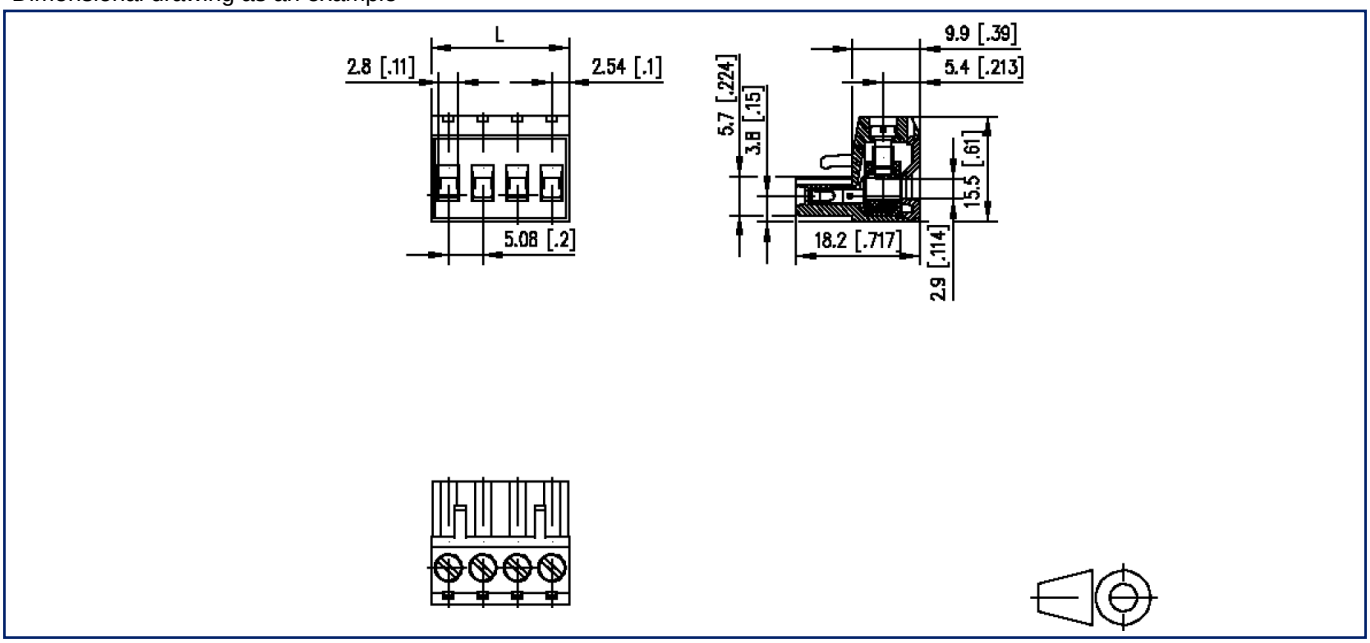
| P/N | Designation |
|---|---|
| 311781 | PR066xxHBBN Type 178 |
| 311791 | PR066xxVBBN Type 179 |
| 312191 | PT116xxVBEC Type 219 |
| 312201 | PT116xxVBBN Type 220 |
| 312291 | PT116xxHBEC Type 229 |
| 312301 | PT116xxHBBN (Type 230) |
| 312901 | PT106xxVGDN Type 290 |
| 312921 | PT106xxHGDN Typ 292 |
| 314781 | PR066xxHBEC Type 478 |
| 314791 | PR066xxVBEC Type 479 |

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

**P/N**
**312491xx**
**xx=number of poles**
2026/11/10
Version: AE

## Illustrations

Dimensional drawing as an example




L=(pole size - 1) x centerline + 5.08 mm [0.2]

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!