

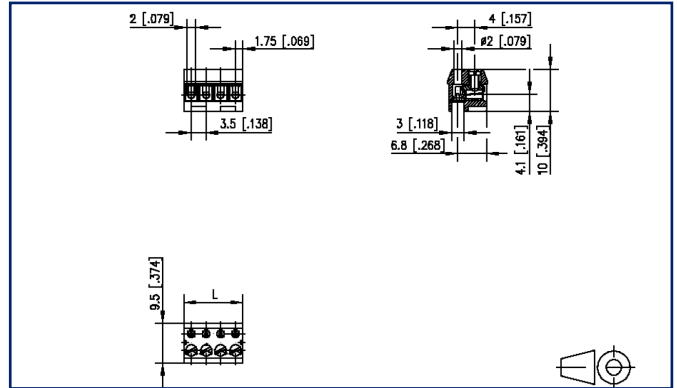
Data sheet

RP023xxHBWC Type 166

Illustrations



Dimensional drawing



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



Technical Data

| General Data | | | |
|---------------------------|-----------|--------|--------|
| Tightening torque SEV | 0.15 Nm | | |
| Tightening torque UL | 1.3 lb-in | | |
| min. number of poles | 2 | | |
| max. number of poles | 24 | | |
| Insulating material class | CTI 600 | | |
| clearance/creepage dist. | 2 mm | | |
| Protection category | IP00 | | |
| Min. 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 | 1.5 kV | 1.5 kV | 1.5 kV |

| Terminal data | |
|--------------------------|--|
| rat.wiring solid AWGmax | 0.08 mm ² - 1.5 mm ² / AWG 28 - AWG 16 |
| rat.wiring strand.AWGmax | 0.08 mm ² - 1.5 mm ² / AWG 28 - AWG 16 |

| Approvals | |
|---|-------------------|
|  V / A / AWG | 125 / 8 / 28 - 16 |
| approval UL - File No. | E121004 |

| | |
|---|----------------------|
|  1 mm ² | 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 |
| Glow-Wire Flammability GWFI | 850 °C acc. to IEC 60695-2-12 |

U | Contact

Data sheet RP023xxHBWC Type 166

Page 3/6

P/N
311661xx

xx=number of poles

2023/01/10

Version: Y

Technical Data

| | |
|-----------------------------|-------------------------------|
| Glow-Wire Flammability GWIT | 775 °C acc. to IEC 60695-2-13 |
| REACH | compliant |
| REACH - substance (SVHC) | Lead / 7439-92-1 |

Climatic Data

| | |
|-------------------------|--------|
| upper limit temperature | 105 °C |
| lower limit temperature | -40 °C |

general

| | |
|-----------|--------------|
| Tolerance | ISO 2768 -mH |
|-----------|--------------|

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 |

U | Contact

Data sheet
RP023xxHBWC Type 166

Page 5/6

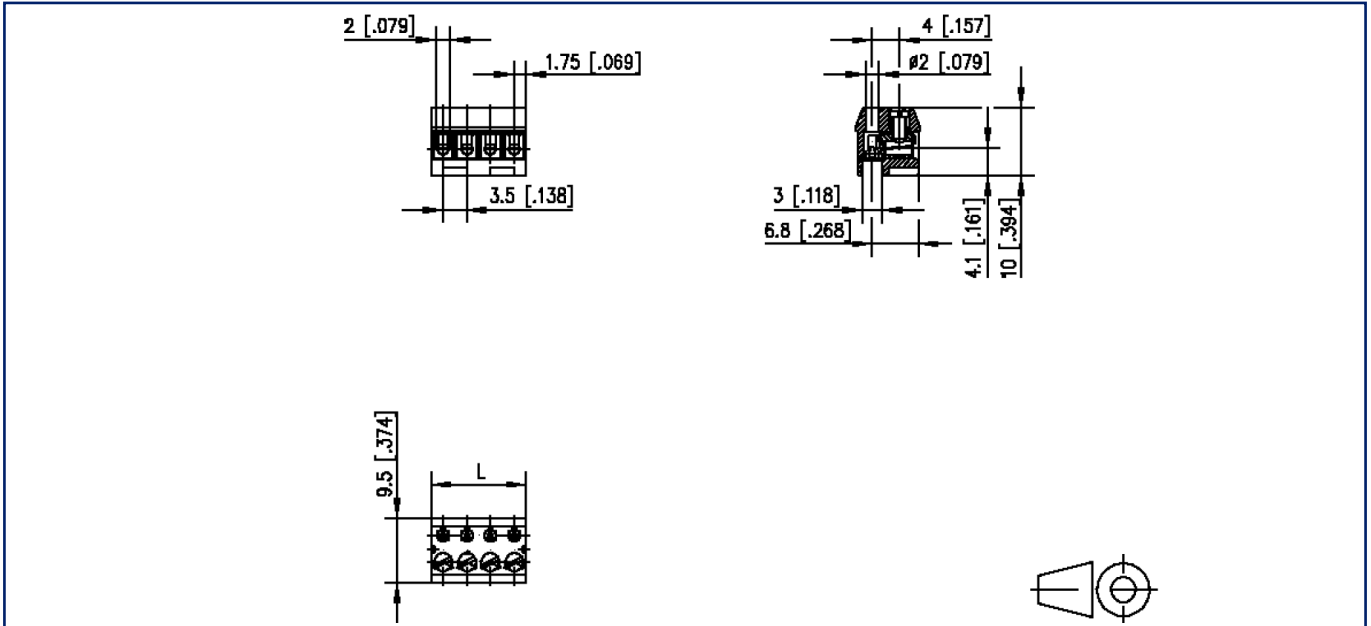
P/N
311661xx
xx=number of poles
2023/01/10
Version: Y

Counterpart

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

Illustrations

Dimensional drawing



$L = (\text{pole size} - 1) \times \text{centerline} + 3.5 \text{ mm } [0.138]$

