

## Half screw connection - VC-M-KV-PG16( 4- 6,5) - 1853942


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Half screw connection Pg16, made of metal, consisting of rubber seal with one hole and one pressure screw, for type 1 housings, cable [mm] 4 - 6.5



### Key Commercial Data

|                        |   |
|------------------------|---|
| Packing unit           | 5 pc  |
| Minimum order quantity | 5 pc  |
| GTIN                   | <br>4 017918 146351 |
| GTIN                   | 4017918146351   |

### Technical data

#### Dimensions

|                         |                 |
|-------------------------|-----------------|
| Length                  | 24.7 mm         |
| Wrench size, union nut  | 24 mm           |
| External cable diameter | 4 mm ... 6.5 mm |

#### Ambient conditions

|                                 |                   |
|---------------------------------|-------------------|
| Degree of protection            | IP67              |
| Ambient temperature (operation) | -40 °C ... 125 °C |

#### General

|                          |  |
|--------------------------|--|
| Note                     | Adapter screw connections are available on request for large cable dimensions, from Pg16 to Pg21 and from Pg21 to Pg29 |
| No. of conductors        | 1  |
| Housing material         | Metal  |
| Material, pressure screw | Nickel-plated brass  |
| Seal material            | TPE  |
| Sealing material         | TPE  |
| Shielded                 | no   |
| Thread type on seal side | Pg16   |

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## Technical data

### General

|                              |         |
|------------------------------|---------|
| Tightening torque, union nut | 7.50 Nm |
|------------------------------|---------|

### Standards and Regulations

|             |  |
|-------------|--|
| Safety note | <p>WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</p>  |
|             | <ul style="list-style-type: none"> <li>• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.</li> </ul> |
|             | <ul style="list-style-type: none"> <li>• The products are suitable for applications in plant, controller, and electrical device engineering.</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.</li> </ul>   |
|             | <ul style="list-style-type: none"> <li>• Assembled products may not be manipulated or improperly opened.</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a>).</li> </ul>   |
|             | <ul style="list-style-type: none"> <li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> </ul>   |
|             | <ul style="list-style-type: none"> <li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• Ensure that the protective or functional ground has been properly connected.</li> </ul>   |
|             | <ul style="list-style-type: none"> <li>• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• Observe the corresponding technical data. You will find information:                             <ul style="list-style-type: none"> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> </ul>   |
|             | <ul style="list-style-type: none"> <li>• Only use tools recommended by Phoenix Contact</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• The installation notes/Design In documents online on the download page at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> must be observed for this product.</li> </ul>   |
|             | <ul style="list-style-type: none"> <li>• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a></li> </ul>   |
|             | <ul style="list-style-type: none"> <li>• Operate the connector only when it is fully plugged in.</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li> </ul>  |
|             | <ul style="list-style-type: none"> <li>• Observe the minimum bending radius of the cable. Lay the cable without twisting it.</li> </ul>  |

### Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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## Technical data

### Environmental Product Compliance

|            |   |
|------------|---|
| China RoHS | Environmentally Friendly Use Period = 50 years  |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27144432 |
| eCl@ss 4.0    | 27141200 |
| eCl@ss 4.1    | 27141200 |
| eCl@ss 5.0    | 27149100 |
| eCl@ss 5.1    | 27149100 |
| eCl@ss 6.0    | 27149100 |
| eCl@ss 7.0    | 27149109 |
| eCl@ss 8.0    | 27149109 |
| eCl@ss 9.0    | 27144432 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000441 |
| ETIM 3.0 | EC000441 |
| ETIM 4.0 | EC000441 |
| ETIM 5.0 | EC000441 |
| ETIM 6.0 | EC000441 |
| ETIM 7.0 | EC000441 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261502 |
| UNSPSC 7.0901 | 31261502 |
| UNSPSC 11     | 31261502 |
| UNSPSC 12.01  | 31261502 |
| UNSPSC 13.2   | 39121311 |
| UNSPSC 18.0   | 39121311 |
| UNSPSC 19.0   | 39121311 |
| UNSPSC 20.0   | 39121311 |
| UNSPSC 21.0   | 39121311 |

## Approvals

### Approvals

Approvals

EAC

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### Approvals

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Ex Approvals

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### Approval details

|     |   |         |
|-----|---|---------|
| EAC |  | B.01687 |
|-----|---|---------|

### Accessories

#### Accessories

Half screw connection - VC-M-KV-PG21- 0 - 1854983



Half screw connection made of metal with rubber seal without hole for sealing or for individual holes

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[5315817](#) [N16 025 0112 1](#) [N16 020 0112 1](#) [M6106](#) [7422](#) [NG-9516 Gasket](#) [N16 016 0112 1](#) [NG-9514 Gasket](#) [52006151](#) [2704](#) [BM4940L](#)  
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[1.609.1100.01](#) [1.609.2900.15](#) [1.609.3200.52](#) [1.609.3600.15](#) [1.609.5000.51](#) [1.676.2500.50](#) [52103150](#) [53112705](#) [53112715](#) [53112735](#)  
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