

HMK-003 Axial module

690V 40A

Inserts



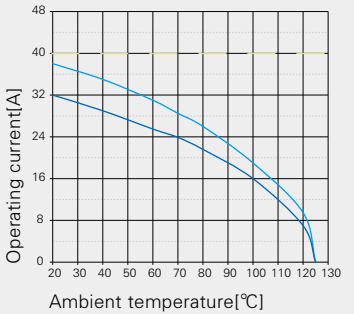
Combination with hinged frame and other modules possible.

Technical characteristics

|                                  |                                                                  |
|----------------------------------|------------------------------------------------------------------|
| Specifications                   | DIN EN 60 664<br>DIN EN 61 984                                   |
| Approvals                        |                                                                  |
| Inserts                          |                                                                  |
| Number of contacts               | 3                                                                |
| Electrical dataacc. to EN 61 984 |                                                                  |
| -Rated current                   | 40A                                                              |
| -Rated voltage                   | 690V                                                             |
| -Rated impulse voltage           | 8kV                                                              |
| -Pollution degree                | 3                                                                |
| Rated voltage acc. to UL         | 600V                                                             |
| Insulation resistance            | ≥ 10 <sup>10</sup> Ω                                             |
| Material                         | polycarbonate                                                    |
| Limiting temperatures            | -40°C ...+125°C                                                  |
| Flammability acc. to UL 94       | V0                                                               |
| Mechanical working life          |                                                                  |
| - mating cycles                  | ≥ 500                                                            |
| Contacts                         |                                                                  |
| Material                         | copper alloy                                                     |
| Surface                          | hard-silver plated                                               |
| Contact resistance               | 1mΩ                                                              |
| Screw terminal                   |                                                                  |
| - Wire gauge                     | 2.5-10mm <sup>2</sup>                                            |
| -AWG                             | 14-8                                                             |
| -Hexagonal driver                | SW 2                                                             |
| - Stripping length               |                                                                  |
| -mm <sup>2</sup>                 | 2.5 4 6 10                                                       |
| -mm <sup>2</sup>                 | 5 <sup>+1</sup> 5 <sup>+1</sup> 8 <sup>+1</sup> 11 <sup>+1</sup> |
| -Tightening torque               |                                                                  |
| -mm <sup>2</sup>                 | 2.5 4 6 10                                                       |
| -Nm                              | 1.5 1.5 2 2                                                      |

Current carrying capacity

The current carrying is limited by maximum temperature of materials for inserts and contacts including terminals  
Control and test procedures according to DIN EN 60512-5



Axial screw terminal<sup>1)</sup>



| Insert | Wire gauge           | Designation                         | Order No.        |
|--------|----------------------|-------------------------------------|------------------|
| Male   | 2.5-8mm <sup>2</sup> | HMK-003.1-M (2.5-8mm <sup>2</sup> ) | 129 003 011 0001 |
|        | 6-10mm <sup>2</sup>  | HMK-003.2-M (6-10mm <sup>2</sup> )  | 129 003 011 0002 |
| Female | 2.5-8mm <sup>2</sup> | HMK-003.1-F (2.5-8mm <sup>2</sup> ) | 129 003 021 0001 |
|        | 6-10mm <sup>2</sup>  | HMK-003.2-F (6-10mm <sup>2</sup> )  | 129 003 021 0002 |

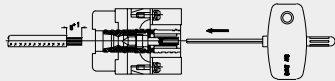
Accessories

Tool

hexagonal driver



| Description                  | Designation | Order No.        |
|------------------------------|-------------|------------------|
| for axial setscrew with grip | SW-2*100    | 198 001 003 0002 |



1) See P00-12-00-13 for the structural characteristics and description of Axial screw terminal.