

## PK 601

14123.1

PK 601/2/3,50-V GN



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

|                 |              |
|-----------------|--------------|
| Type            | PCB terminal |
| Pitch           | 3,5 mm       |
| Colour          | Green        |
| Number of poles | 2            |
| Approvals       | UL, cUL, VDE |

#### RATINGS

|                       |                   |
|-----------------------|-------------------|
| Rated current         | 10 A              |
| Rated voltage         | 130 V             |
| Rated cross section   | 1 mm <sup>2</sup> |
| Rated impulse voltage | 1,25 kV           |
| Overvoltage category  | III               |
| Contamination degree  | 3                 |

#### DIMENSIONS

|                    |         |
|--------------------|---------|
| Length             | 7,4 mm  |
| Width              | 7,4 mm  |
| Height             | 8,5 mm  |
| Width left         | 2,15 mm |
| Width right        | 1,75 mm |
| Drillhole diameter | 1,2 mm  |

|                                |        |
|--------------------------------|--------|
| Diameter of the connection pin | 0,9 mm |
| Length of pin                  | 3,8 mm |

## CONNECTION DATA

|                                          |                      |
|------------------------------------------|----------------------|
| Connector type/principle                 | Screw                |
| Number of levels                         | 1                    |
| Angle of PCB/wire connection             | 0°/180° (horizontal) |
| Type of attachment to PCB                | Connecting contact   |
| Electrical connection type to PCB        | Solder               |
| Cross section single wire from           | 0,08 mm <sup>2</sup> |
| Cross section single wire to             | 1,5 mm <sup>2</sup>  |
| Cross section stranded wire from         | 0,08 mm <sup>2</sup> |
| Cross section stranded with ferrule to   | 0,34 mm <sup>2</sup> |
| Cross section stranded wire to           | 1 mm <sup>2</sup>    |
| Cross section stranded with ferrule from | 0,14 mm <sup>2</sup> |
| Rated wire cross section to (AWG)        | 16                   |
| Rated wire cross section from (AWG)      | 28                   |
| Stripping length                         | 6 mm                 |
| Screw size                               | M 2                  |
| Torque                                   | 0,2 Nm               |

## MATERIALS

|                            |               |
|----------------------------|---------------|
| Housing material           | Polyamide 6.6 |
| Flammability class         | UL94-V0       |
| Operating temperature from | -30 °C        |
| Operating temperature to   | 105 °C        |
| Solder lug                 | Brass         |
| Screw material             | Steel         |
| Clamp material             | Brass         |

## APPROVALS

|                   |              |
|-------------------|--------------|
| UL test standard  | UL 1059      |
| Rated voltage UL  | 150 V        |
| Rated current UL  | 10 A         |
| cUL test standard | C22.2 No 158 |
| Rated voltage cUL | 150 V        |

|                   |              |
|-------------------|--------------|
| Rated current cUL | 10 A         |
| VDE test standard | DIN EN 60998 |
| Rated voltage VDE | 130 V        |
| Rated current VDE | 10 A         |

### ADDITIONAL DATA

|                                        |                           |
|----------------------------------------|---------------------------|
| Glow wire ignition temperature (GWIT)  | GWIT 775                  |
| Insulation resistance                  | 1*10 <sup>13</sup> Ω x cm |
| Recommended wave soldering temperature | 265 °C                    |
| Pack size                              | 50                        |
| Country of origin                      | QU                        |
| Tariff code                            | 85369010                  |
| Glow wire flammability index (GWFI)    | GWFI 850                  |
| Weight                                 | 0,87 g                    |
| Recommended wave solder duration min   | 3 s                       |
| GWFI after-glow time                   | 30 s                      |
| GWIT exposure time                     | 5 s                       |
| Recommended wave solder duration max   | 4 s                       |
| Current creepage resistance            | CTI 600                   |
| Connection cycles acc. to standard     | 5                         |

