

## PBKZ 4701

14652.1

PBKZ 4701/2/3,81-H-KD GN



### PRODUCT DESCRIPTION

## TECHNICAL DATA

### GENERAL DATA

|                 |              |
|-----------------|--------------|
| Type            | PCB terminal |
| Pitch           | 3,81 mm      |
| Colour          | Green        |
| Number of poles | 2            |
| Approvals       | UL, cUL, VDE |

### RATINGS

|                       |                     |
|-----------------------|---------------------|
| Rated current         | 12 A                |
| Rated voltage         | 130 V               |
| Rated cross section   | 1,5 mm <sup>2</sup> |
| Rated impulse voltage | 1,25 kV             |
| Overvoltage category  | III                 |
| Contamination degree  | 3                   |

### DIMENSIONS

|                    |          |
|--------------------|----------|
| Length             | 12,7 mm  |
| Width              | 10,12 mm |
| Height             | 13,7 mm  |
| Width left         | 0,8 mm   |
| Width right        | 5,51 mm  |
| Drillhole diameter | 1,4 mm   |

|                                |        |
|--------------------------------|--------|
| Diameter of the connection pin | 1 mm   |
| Length of pin                  | 3,3 mm |

## CONNECTION DATA

|                                          |                      |
|------------------------------------------|----------------------|
| Connector type/principle                 | Push-in              |
| Number of levels                         | 1                    |
| Angle of PCB/wire connection             | 0°/180° (horizontal) |
| Type of attachment to PCB                | Solder               |
| Electrical connection type to PCB        | Connecting contact   |
| Cross section single wire from           | 0,14 mm <sup>2</sup> |
| Cross section single wire to             | 1,5 mm <sup>2</sup>  |
| Cross section stranded wire from         | 0,14 mm <sup>2</sup> |
| Cross section stranded with ferrule to   | 0,34 mm <sup>2</sup> |
| Cross section stranded wire to           | 1,5 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)      | 26                   |
| Stripping length                         | 10 mm                |

## MATERIALS

|                            |                            |
|----------------------------|----------------------------|
| Housing material           | Polybutylene terephthalate |
| Flammability class         | UL94-V0                    |
| Operating temperature from | -30 °C                     |
| Operating temperature to   | 105 °C                     |
| Terminal spring            | Stainless steel            |
| Solder lug                 | Brass                      |

## APPROVALS

|                   |                 |
|-------------------|-----------------|
| UL test standard  | UL 1059         |
| Rated voltage UL  | 300 V           |
| Rated current UL  | 6 A             |
| cUL test standard | CSA 22.2 No.158 |
| Rated voltage cUL | 300 V           |
| Rated current cUL | 6 A             |
| VDE test standard | DIN EN 60998    |
| Rated voltage VDE | 130 V           |

|                   |      |
|-------------------|------|
| Rated current VDE | 12 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                                 | 2,03 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     | 10                        |

