

PBK 5

14491.1

PBK 5/1/11,50-H GN



PRODUCT DESCRIPTION

TECHNICAL DATA

GENERAL DATA

| | |
|-----------------|--------------|
| Type | PCB terminal |
| Pitch | 11,5 mm |
| Colour | Green |
| Number of poles | 1 |
| Approvals | UL, cUL, VDE |

RATINGS

| | |
|-----------------------|-------------------|
| Rated current | 41 A |
| Rated voltage | 1000 V |
| Rated cross section | 6 mm ² |
| Rated impulse voltage | 3,5 kV |
| Overvoltage category | III |
| Contamination degree | 3 |

DIMENSIONS

| | |
|--------------------|----------|
| Length | 24,15 mm |
| Width | 9,25 mm |
| Height | 19,6 mm |
| Width left | 6,6 mm |
| Width right | 2,65 mm |
| Drillhole diameter | 2,1 mm |

| | |
|--------------------------------|--------|
| Diameter of the connection pin | 0,8 mm |
| Length of pin | 4,6 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 | 0,2 mm ² |
| Cross section single wire to | 10 mm ² |
| Cross section stranded wire from | 0,2 mm ² |
| Cross section stranded with ferrule to | 6 mm ² |
| Cross section stranded wire to | 6 mm ² |
| Cross section stranded with ferrule from | 0,25 mm ² |
| Rated wire cross section to (AWG) | 8 |
| Rated wire cross section from (AWG) | 24 |
| Stripping length | 15 mm |

MATERIALS

| | |
|----------------------------|-----------------|
| Housing material | Polyamide 6.6 |
| Flammability class | UL94-V0 |
| Operating temperature from | -30 °C |
| Operating temperature to | 105 °C |
| Terminal spring | Stainless steel |
| Solder lug | Copper alloy |

APPROVALS

| | |
|-------------------|-----------------|
| UL test standard | UL 1059 |
| Rated voltage UL | 600 V |
| Rated current UL | 35 A |
| cUL test standard | CSA 22.2 No.158 |
| Rated voltage cUL | 600 V |
| Rated current cUL | 35 A |
| VDE test standard | DIN EN 60998 |
| Rated voltage VDE | 1000 V |

| | |
|-------------------|------|
| Rated current VDE | 41 A |
|-------------------|------|

ADDITIONAL DATA

| | |
|---------------------------------------|----------|
| Glow wire ignition temperature (GWIT) | GWIT 775 |
|---------------------------------------|----------|

| | |
|-----------------------|---|
| Insulation resistance | $1 \cdot 10^{13} \Omega \times \text{cm}$ |
|-----------------------|---|

| | |
|--|--------|
| Recommended wave soldering temperature | 265 °C |
|--|--------|

| | |
|-----------|----|
| Pack size | 50 |
|-----------|----|

| | |
|-------------------|----|
| Country of origin | QU |
|-------------------|----|

| | |
|-------------|----------|
| Tariff code | 85369010 |
|-------------|----------|

| | |
|-------------------------------------|----------|
| Glow wire flammability index (GWFI) | GWFI 850 |
|-------------------------------------|----------|

| | |
|--------|--------|
| Weight | 4,98 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 |
|------------------------------------|----|

