

## PKH 793

10517.1

PKH 793/2/5,00-V GN



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

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

#### RATINGS

|                       |                     |
|-----------------------|---------------------|
| Rated current         | 24 A                |
| Rated voltage         | 250 V               |
| Rated cross section   | 2.5 mm <sup>2</sup> |
| Rated impulse voltage | 2 kV                |
| Overvoltage category  | III                 |
| Contamination degree  | 3                   |

#### DIMENSIONS

|             |         |
|-------------|---------|
| Length      | 10.9 mm |
| Width       | 10.6 mm |
| Height      | 31.4 mm |
| Width left  | 3.1 mm  |
| Width right | 2.5 mm  |

|                                |        |
|--------------------------------|--------|
| Drillhole diameter             | 1.3 mm |
| Diameter of the connection pin | 0.9 mm |
| Length of pin                  | 4.9 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           | 0.2 mm <sup>2</sup>  |
| Cross section single wire to             | 4 mm <sup>2</sup>    |
| Cross section stranded wire from         | 0.2 mm <sup>2</sup>  |
| Cross section stranded with ferrule to   | 2.5 mm <sup>2</sup>  |
| Cross section stranded wire to           | 2.5 mm <sup>2</sup>  |
| Cross section stranded with ferrule from | 0.25 mm <sup>2</sup> |
| Rated wire cross section to (AWG)        | 12                   |
| Rated wire cross section from (AWG)      | 30                   |
| Stripping length                         | 8 mm                 |
| Screw size                               | M 3                  |
| Torque                                   | 0.5                  |

## MATERIALS

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

## APPROVALS

|                   |                 |
|-------------------|-----------------|
| UL test standard  | UL 1059         |
| Rated voltage UL  | 300 V           |
| Rated current UL  | 20 A            |
| cUL test standard | CSA 22.2 No.158 |

|  |                           |
|--|---------------------------|
| Rated voltage cUL                      | 300 V                     |
| Rated current cUL                      | 20 A                      |
| VDE test standard                      | DIN EN 60998              |
| Rated voltage VDE                      | 250 V                     |
| Rated current VDE                      | 24 A                      |
|  |                           |
| Recommended wave solder duration max   | 4 s                       |
| Recommended wave solder duration min   | 3 s                       |
| Recommended wave soldering temperature | 265 °C                    |
| Tariff code                            | 85369010                  |
| Pack size                              | 50                        |
| Weight                                 | 5.4 g                     |
| Connection cycles acc. to standard     | 5                         |
| Country of origin                      | QU                        |
| Current creepage resistance            | CTI 600                   |
| Glow wire flammability index (GWFI)    | GWFI 850                  |
| Glow wire ignition temperature (GWIT)  | GWIT 775                  |
| GWFI after-glow time                   | 30 s                      |
| GWIT exposure time                     | 5 s                       |
| Insulation resistance                  | 1*10 <sup>13</sup> Ω x cm |



