



## PK 100

10001.1

PK 100/5/2V 2P PCB TERM VERT GREEN



### PRODUCT DESCRIPTION

### TECHNICAL DATA

#### GENERAL DATA

Type	PCB terminal
Pitch	5 mm
Colour	Green
Number of poles	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	9 mm
Width	10,7 mm
Height	12,5 mm
Width left	3,2 mm
Width right	2,5 mm
Drillhole diameter	1,3 mm

Diameter of the connection pin	1 mm
Length of pin	4,5 mm

## CONNECTION DATA

Connector type/principle	Wire protection
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	2,5 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	0,2 mm <sup>2</sup>
Rated wire cross section to (AWG)	12
Rated wire cross section from (AWG)	22
Stripping length	7 mm
Screw size	M 3
Torque	0,5 Nm

## MATERIALS

Housing material	Polyamide 6.6
Flammability class	UL94-V0
Operating temperature from	-30 °C
Operating temperature to	105 °C
Screw material	Steel
Clamp material	Brass
Wire protection	Stainless steel

## 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

## 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	2,3 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

