

**PBK 4100, 4101**

13085.0

PBK 4100/2/5,00 LG

**PRODUCT DESCRIPTION****TECHNICAL DATA****GENERAL DATA**

Type	Plug-in connector
Pitch	5 mm
Colour	Light grey
Number of poles	2
Approvals	UL, cUL, VDE

**RATINGS**

Rated current	17,5 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	12,5 mm
Width	11,6 mm
Height	9,2 mm
Width left	3,5 mm
Width right	3,1 mm
Drillhole diameter	1 mm

Diameter of the connection pin	0,4 mm
Length of pin	3,6 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	0,08 mm <sup>2</sup>
Cross section single wire to	2,5 mm <sup>2</sup>
Cross section stranded wire from	0,08 mm <sup>2</sup>
Cross section stranded with ferrule to	1 mm <sup>2</sup>
Cross section stranded wire to	2,5 mm <sup>2</sup>
Cross section stranded with ferrule from	0,14 mm <sup>2</sup>
Rated wire cross section to (AWG)	14
Rated wire cross section from (AWG)	20
Stripping length	9 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	300 V
Rated current UL	10 A
cUL test standard	CSA 22.2 No.158
Rated voltage cUL	300 V
Rated current cUL	10 A
VDE test standard	DIN EN 60998
Rated voltage VDE	250 V

Rated current VDE	17,5 A
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## ADDITIONAL DATA

Glow wire ignition temperature (GWIT)	GWIT 775
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Insulation resistance	$1 \cdot 10^{13} \Omega \times \text{cm}$
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Recommended wave soldering temperature	265 °C
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Pack size	50
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Country of origin	QU
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Tariff code	85366990
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Glow wire flammability index (GWFI)	GWFI 850
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Weight	1,4 g
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Recommended wave solder duration min	3 s
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GWFI after-glow time	30 s
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GWIT exposure time	5 s
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Recommended wave solder duration max	4 s
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Current creepage resistance	CTI 600
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Connection cycles acc. to standard	10
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