Data sheet

13737.1 PKB 1550/5/3,81-F GN



Female socket block, Screw connection, No. of poles: 5, Width: 28.65 mm, Colour: Green

Business data

Article number	13737.1
Article name	PKB 1550/5/3,81-F GN
GTIN (EAN)	4044211087500
Connector version	Free connector
Packaging unit	50
Quantity unit	PC
Packaging type	Carton
Type of banding	Without
Weight per piece (not including packaging)	4.3 g
Weight per piece (including packaging)	4.76 g
Unit of weight	G
Customs number	85366930
Country of origin	TN
Colour	Green

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Technical data

Dimensions

Length	11.1 mm
Width	28.65 mm
Width left	6.705 mm
Width right	6.705 mm
Height	15.5 mm
Pitch	3.81 mm

Ratings

Rated voltage	160 V
Rated current	8 A
Rated cross-section	1.5 mm²
Rated impulse voltage	2.5 kV
Overvoltage category	III
Contamination degree	3

Connection data

Connection principle	Screw connection
Angle of wire connection/contact	0°/180° (horizontal)
Number of plug-in rows	1
No. of poles	5
Contact version	Female connector
Wire cross-section single-core (rigid) / stranded, min.	0.14 mm²
Wire cross-section single core (rigid)/stranded, max.	1.5 mm²
Wire cross-section stranded, min.	0.14 mm²
Wire cross-section stranded, max.	1.5 mm²
Wire cross-section stranded with wire-end ferrules, min.	0.25 mm²
Wire cross-section stranded with wire-end ferrules, max.	1 mm²
Wire cross-section AWG, min.	28
Wire cross-section AWG, max.	16
Stripping length	7 mm
Screw threading	M 2
Torque	0.25 Nm

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Technical data

Materials

Insulation housing	Polyamide 6.6
Flammability class UL 94	V-0
Working temperature, min.	-30 °C
Working temperature, max.	105 °C
Clamping element	Brass
Contact spring	Bronze
Screws	Bronze
Flange screws	Steel

Further technical data

Storage temperature, min.	-40 °C
Storage temperature, max.	105 °C
Insulation resistance	1*10^13 Ohm x cm
Creepage-current resistance	CTI 600
Glow wire flammability index GWFI	GWFI 850
GWFI after-glow time	30 Sek.
Glow wire ignition temperature GWIT	GWIT 775 °C
GWIT exposure time	5 Sek.
Connection cycles, in compliance with standard	5
Plug-in cycles acc. to standard	100

Environmental Product Compliance

REACH Conform	No
REACH Reference date	2022-06-10
REACH Candidate Substance Note	No
REACH CAS 1 Substance	LEAD
REACH CAS 1 Percent minimal	0.1 %
REACH CAS 1 Percent maximum	4 %
REACH CAS 1 Number	7439-92-1
RoHS Conform	yes
RoHS Exception rule	6c

Approvals

cUL Recognized

cUL approval	CSA 22.2 No.158
cUL Usegroup B: rated voltage	300 V
cUL Usegroup B: rated current	8 A
cUL Usegroup D: rated voltage	300 V
cUL Usegroup D: rated current	8 A
cUL wire cross-section single-core (rigid) AWG, min.	28
cUL wire cross-section single-core (rigid) AWG, max.	16
cUL wire cross-section stranded AWG, min.	28
cUL wire cross-section stranded AWG, max.	16
cUL torque	0.25 Nm
cUL wire material	Cu
cUL Recognized	1

UL Recognized

UL approval	UL 1059
UL Usegroup B: rated voltage	300 V
UL Usegroup B: rated current	8 A
UL Usegroup D: rated voltage	300 V
UL Usegroup D: rated current	8 A
UL wire cross-section single-core (rigid) AWG, min.	28
UL wire cross-section single-core (rigid) AWG, max.	16
UL wire cross-section stranded AWG, min.	28
UL wire cross-section stranded AWG, max.	16
UL torque	2.21 Lb In
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

Approvals

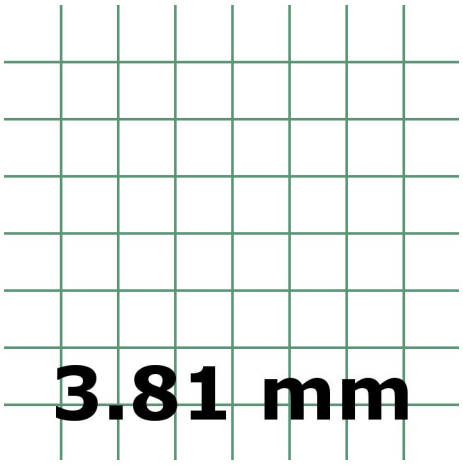
VDE approval

VDE approval	DIN EN 61984
VDE approval granted	yes
VDE rated voltage	160 V
VDE rated current	8 A
VDE rated current wire cross-section rigid, min.	6 A
VDE rated current wire cross-section rigid, max.	8 A
VDE rated current wire cross-section stranded, min.	6 A
VDE rated current wire cross-section stranded, max.	8 A
VDE rated impulse voltage	2.5 kV
VDE wire cross-section rigid, min.	0.5 mm²
VDE wire cross-section rigid, max.	1.5 mm²
VDE wire cross-section stranded, min.	0.5 mm²
VDE wire cross-section stranded, max.	1.5 mm²
VDE screw threading	M 2
VDE torque	0.25 Nm
VDE overvoltage category	III
VDE contamination degree	3

Data sheet

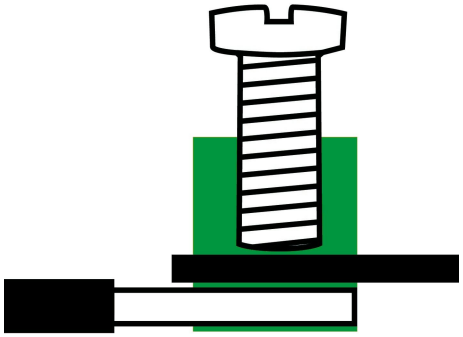
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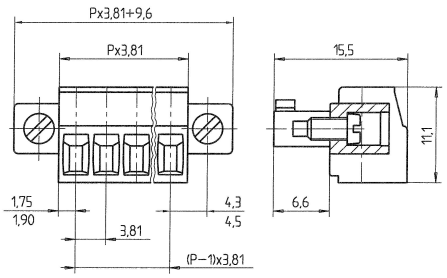
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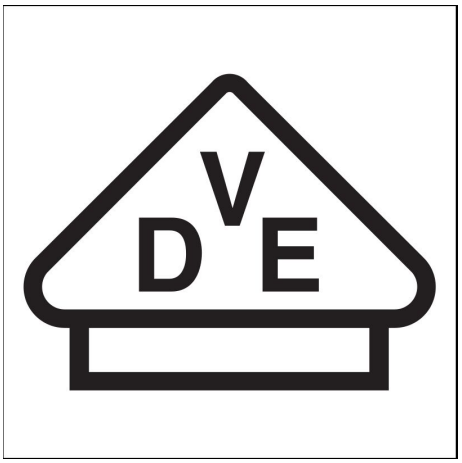












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Accessories