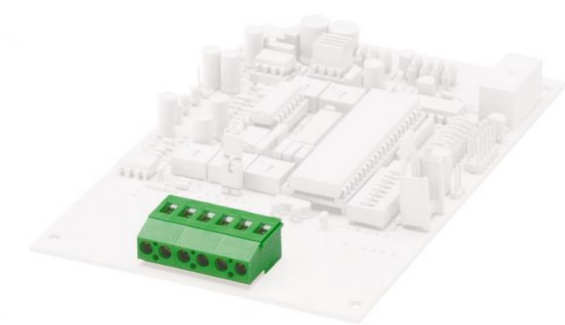


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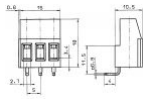
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M3

5.00 mm



PCB terminal, Screw connection, No. of poles: 2, Width: 10.6 mm, Colour: Green

Business data

Packaging unit	50
Quantity unit	PC
Packaging type	Carton
Type of banding	Without
Weight per piece (not including packaging)	4
Weight per piece (including packaging)	4.47
Unit of weight	G
Customs number	85369010
Country of origin	QU

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Technical Data

Dimensions

Length	18 mm
Length of the pin	4 mm
Width	10.6 mm
Width left	3.1 mm
Width right	2.5 mm
Height	10.5 mm
Drill hole diameter	1.3 mm
Diameter of connecting pin	0.9 mm
Pitch	5 mm

Ratings

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

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Technical Data

Connection data

Connection principle	Screw connection
Connection type of PCB	Solder connection
Type of attachment to circuit board	Connecting contact
Angle of PCB/wire connection	90° (vertically upwards)
No. of poles	2
Number of levels	1
Wire cross-section single-core (rigid) / stranded, min.	0.2 mm ²
Wire cross-section single core (rigid)/stranded, max.	4 mm ²
Wire cross-section stranded, min.	0.2 mm ²
Wire cross-section stranded, max.	2.5 mm ²
Wire cross-section stranded with wire-end ferrules, min.	0.25 mm ²
Wire cross-section stranded with wire-end ferrules, max.	2.5 mm ²
Wire cross-section AWG, min.	30
Wire cross-section AWG, max.	12
Stripping length	8 mm
Screw threading	M 3
Torque	0.5 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
Screws	Steel
Soldering lug	Copper alloy

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
Recommended wave soldering temperature	265 °C

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Technical Data

Further technical data

Recommended wave soldering duration, min.	3 Sek.
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Recommended wave soldering duration, max.	4 Sek.
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Approvals

cUL Recognized

cUL Recognized	C22.2 No 158
cUL Recognized	✓
cUL Usegroup B: rated voltage	300 V
cUL Usegroup B: rated current	15 A
cUL Usegroup C: rated voltage	300 V
cUL Usegroup C: rated current	15 A
cUL Usegroup D: rated voltage	300 V
cUL Usegroup D: rated current	15 A
cUL wire cross-section single-core (rigid) AWG, min.	22
cUL wire cross-section single-core (rigid) AWG, max.	12
cUL wire cross-section stranded AWG, min.	22
cUL wire cross-section stranded AWG, max.	12
cUL torque	0.4499999881 Nm
cUL wire material	Cu

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Approvals

UL Recognized

UL Recognized	UL 1059
UL Recognized granted	✓
UL Usegroup B: rated voltage	300 V
UL Usegroup B: rated current	15 A
UL Usegroup C: rated voltage	300 V
UL Usegroup C: rated current	15 A
UL Usegroup D: rated voltage	300 V
UL Usegroup D: rated current	15 A
UL wire cross-section single-core (rigid) AWG, min.	22
UL wire cross-section single-core (rigid) AWG, max.	12
UL wire cross-section stranded AWG, min.	22
UL wire cross-section stranded AWG, max.	12
UL torque	4 Lb In
UL wire material	Cu
UL factory wiring	✓
UL field wiring	✓

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Approvals

VDE approval

VDE approval	DIN EN 60998
VDE approval granted	✓
VDE rated voltage	250 V
VDE rated current	24 A
VDE rated current wire cross-section rigid, max.	24 A
VDE rated current wire cross-section stranded, max.	24 A
VDE rated impulse voltage	2 kV
VDE wire cross-section rigid, min.	0.5 mm ²
VDE wire cross-section rigid, max.	4 mm ²
VDE wire cross-section stranded, min.	0.5 mm ²
VDE wire cross-section stranded, max.	2.5 mm ²
VDE screw threading	M 3
VDE torque	0.5 Nm
VDE overvoltage category	III
VDE contamination degree	3

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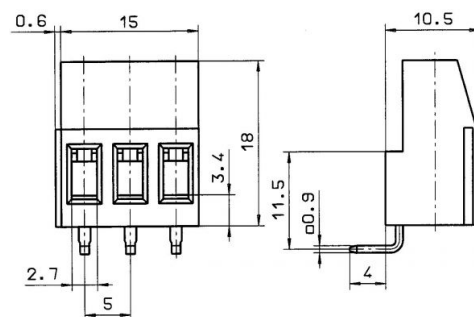
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Media



M3



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