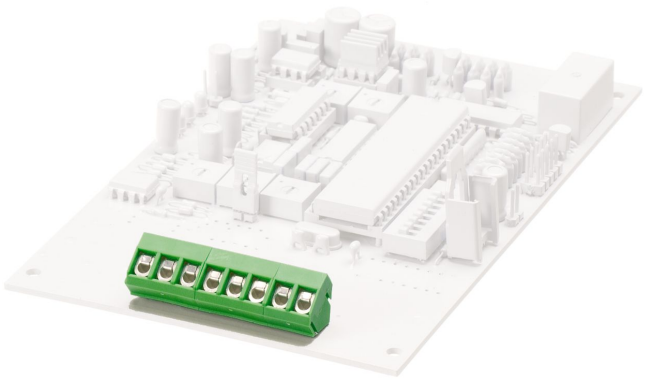
Data sheet

12856.1 PK 590/3/5,00 GN



PCB terminal, Wire protection, No. of poles: 3, Width: 15.6 mm, Colour: Green

Business data

Article number	12856.1
Article name	PK 590/3/5,00 GN
GTIN (EAN)	4044211039042
Packaging unit	50
Quantity unit	PC
Packaging type	Carton
Type of banding	Without
Weight per piece (not including packaging)	2.76 g
Weight per piece (including packaging)	3.16 g
Unit of weight	G
Customs number	85369010
Country of origin	QU
Colour	Green

Data sheet

12856.1 PK 590/3/5,00 GN

Technical data

Dimensions	
Length	11 mm
Length of the pin	4.5 mm
Width	15.6 mm
Width left	3.1 mm
Width right	2.5 mm
Height	11.9 mm
Drill hole diameter	1.3 mm
Diameter of connecting pin	1 mm
Pitch	5 mm

Ratings	
Rated voltage	250 V
Rated current	17.5 A
Rated cross-section	1.5 mm²
Rated impulse voltage	2 kV
Overvoltage category	III
Contamination degree	3

Data sheet

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Technical data

Connection data

Connection principle	Wire protection
Connection type of PCB	Solder connection
Type of attachment to circuit board	Connecting contact
Angle of PCB/wire connection	45°/135° (slanted upwards)
No. of poles	3
Number of levels	1
Wire cross-section single-core (rigid) / stranded, min.	0.2 mm²
Wire cross-section single core (rigid)/stranded, max.	1.5 mm²
Wire cross-section stranded, min.	0.2 mm²
Wire cross-section stranded, max.	1.5 mm²
Wire cross-section stranded with wire-end ferrules,min.	0.2 mm²
Wire cross-section stranded with wire-end ferrules,max.	1.5 mm²
Wire cross-section AWG, min.	22
Wire cross-section AWG, max.	14
Stripping length	6 mm
Screw threading	M 2,6
Torque	0.4 Nm

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
Wire protection	Stainless steel

Data sheet

12856.1 PK 590/3/5,00 GN

Technical data

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

Environmental Product Compliance

REACH Conform	No
REACH Reference date	2023-01-17
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	15 A
cUL Usegroup D: rated voltage	300 V
cUL Usegroup D: rated current	10 A
cUL wire cross-section single-core (rigid) AWG, min.	22
cUL wire cross-section single-core (rigid) AWG, max.	14
cUL wire cross-section stranded AWG, min.	14
cUL wire cross-section stranded AWG, max.	22
cUL torque	0.400000006 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	15 A
UL Usegroup D: rated voltage	300 V
UL Usegroup D: rated current	10 A
UL wire cross-section single-core (rigid) AWG, min.	22
UL wire cross-section single-core (rigid) AWG, max.	14
UL wire cross-section stranded AWG, min.	14
UL wire cross-section stranded AWG, max.	22
UL torque	3.54 Lb In
UL wire material	Cu
UL factory wiring	1
UL field wiring	1
UL Recognized	1

Data sheet

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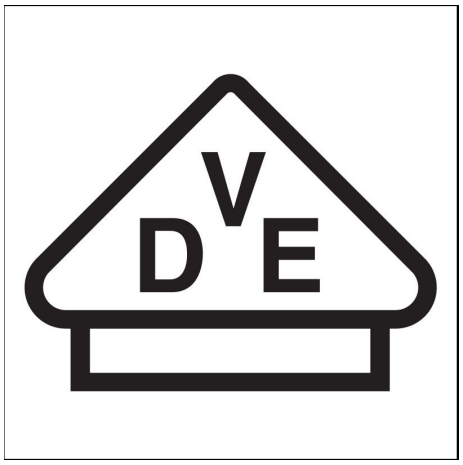
Approvals

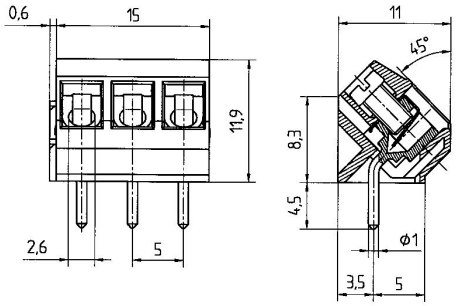
VDE approval	
VDE approval	DIN EN 60998
VDE approval granted	yes
VDE rated voltage	250 V
VDE rated current	17.5 A
VDE rated current wire cross-section rigid, max.	17.5 A
VDE rated current wire cross-section stranded, max.	17.5 A
VDE rated impulse voltage	2 kV
VDE wire cross-section rigid, min.	0.5 mm²
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 2,6
VDE torque	0.4 Nm
VDE overvoltage category	III
VDE contamination degree	3

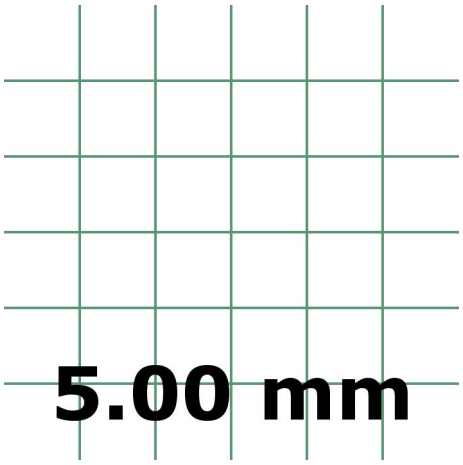
Data sheet

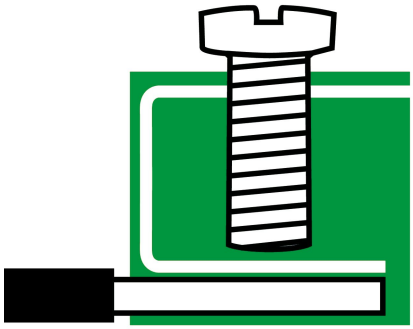
12856.1 PK 590/3/5,00 GN

Media









c US



Data sheet

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Accessories