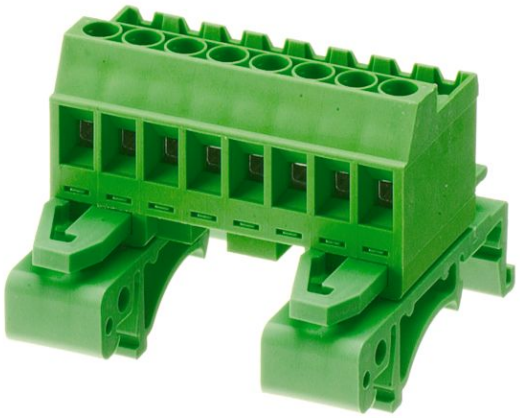
Data sheet

12319.1 PK-TS/2/5,08 GN



Plug-in connection system, Screw connection, No. of poles: 2, Width: 11.68 mm, Colour: Green

Business data

Article number	12319.1
Article name	PK-TS/2/5,08 GN
GTIN (EAN)	4044211029869
Connector version	Attached plug-in connector
Packaging unit	50
Quantity unit	PC
Packaging type	Carton
Type of banding	Without
Weight per piece (not including packaging)	8.4 g
Weight per piece (including packaging)	9.59 g
Unit of weight	G
Customs number	85366930
Country of origin	TN
Colour	Green

Data sheet

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Technical data

Dimensions

Length	42.5 mm
Length of male pin block	20.6 mm
Width	11.68 mm
Width left	3.3 mm
Width right	3.3 mm
Height TS 35/7.5	35.5 mm
Height TS 32	40.5 mm
Pitch	5.08 mm

Ratings

Rated voltage	250 V
Rated current	10 A
Rated cross-section	2.5 mm²
Rated impulse voltage	4 kV
Overvoltage category	III
Contamination degree	3

Connection data

Connection principle	Screw connection
Angle of wire connection/contact	90° (vertically upwards)
No. of poles	2
Wire cross-section single-core (rigid) / stranded, min.	0.2 mm²
Wire cross-section single core (rigid)/stranded, max.	4 mm²
Wire cross-section stranded, min.	0.2 mm²
Wire cross-section stranded, max.	2.5 mm²
Wire cross-section stranded with wire-end ferrules, min.	0.25 mm²
Wire cross-section stranded with wire-end ferrules, max.	2.5 mm²
Wire cross-section AWG, min.	28
Wire cross-section AWG, max.	12
Stripping length	6 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
Contact flag	Copper alloy
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	2023-06-14
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	C22.2 No 158
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.	28
cUL wire cross-section single-core (rigid) AWG, max.	12
cUL wire cross-section stranded AWG, min.	28
cUL wire cross-section stranded AWG, max.	12
cUL torque	0.45 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 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.	28
UL wire cross-section single-core (rigid) AWG, max.	12
UL wire cross-section stranded AWG, min.	28
UL wire cross-section stranded AWG, max.	12
UL torque	4 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 61984
VDE approval granted	yes
VDE rated voltage	250 V
VDE rated current	10 A
VDE rated current wire cross-section rigid, min.	6 A
VDE rated current wire cross-section rigid, max.	10 A
VDE rated current wire cross-section stranded, min.	6 A
VDE rated current wire cross-section stranded, max.	10 A
VDE rated impulse voltage	4 kV
VDE wire cross-section rigid, min.	0.5 mm²
VDE wire cross-section rigid, max.	2.5 mm²
VDE wire cross-section stranded, min.	0.5 mm²
VDE wire cross-section stranded, max.	2.5 mm²
VDE overvoltage category	III
VDE contamination degree	3

Data sheet

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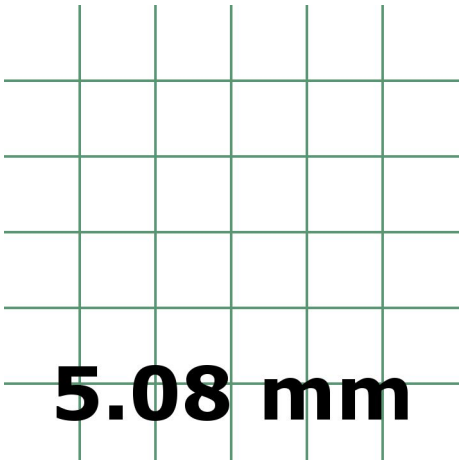
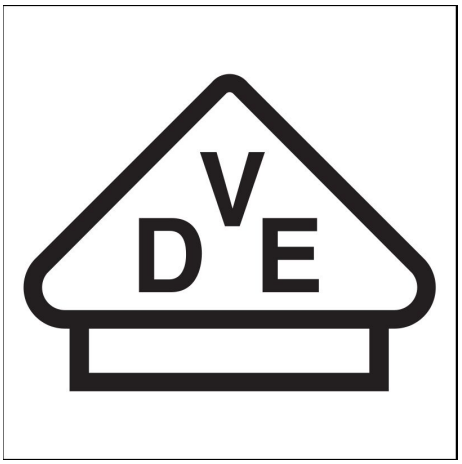
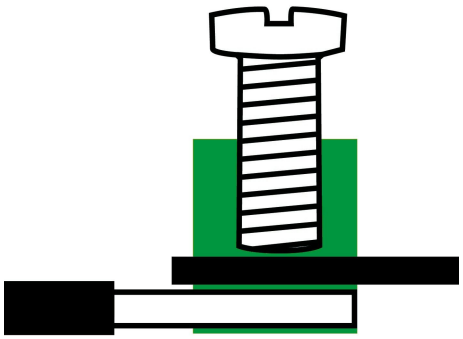
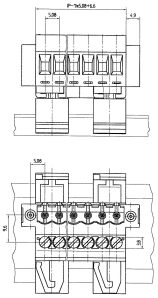
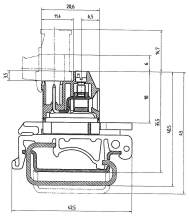
Media











Accessories