Pin strip - PST 1,0/ 9-3,5 - 1945164

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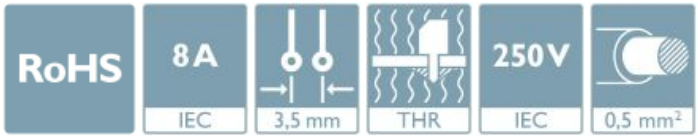
The figure shows a 10-position version of the product

Pin strip, nominal cross section: 0.5 mm², color: black, nominal current: 8 A (depends on the plug used), rated voltage (III/2): 250 V, contact surface: Tin, type of contact: Male connector, Number of potentials: 9, Number of rows: 1, Number of positions per row: 9, number of connections: 9, product range: PST 1,0/..-V, pitch: 3.5 mm, mounting: THR soldering, pin layout: Linear pinning, solder pin [P]: 3.8 mm, Stecksystem: COMBICON COMPACT PST 1, Locking: without, type of packaging: packed in cardboard, The maximum current depends on the plug used. The lower of the two current values apply for plug and pin strip. The pin strip is made of highly temperature resistant plastic and is thus suitable for the reflow process.

Your advantages

- Suitable for wave and reflow soldering processes
- Optimum pin geometry for all COMBICON pin strip connectors



Key Commercial Data

Packing unit	100 pc
GTIN	4 017918 883331
GTIN	4017918883331

Technical data

Item properties

Brief article description	Pin strip
Plug-in system	COMBICON COMPACT PST 1
Type of contact	Male connector
Range of articles	PST 1,0/..-V
Pitch	3.5 mm
Number of positions	9
Mounting type	THR soldering
Pin layout	Linear pinning
Locking	without
Number of levels	1
Number of connections	9
Number of potentials	9

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Technical data

Electrical parameters

Nominal current	8 A
Nom. voltage	250 V
Rated voltage	160 V
Rated voltage (III/2)	250 V
Rated voltage (II/2)	250 V
Rated surge voltage (III/3)	2.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	Tin-plated
Metal surface contact area (top layer)	Tin (3 - 5 µm Sn)
Metal surface contact area (middle layer)	Nickel (1 - 3 µm Ni),
Metal surface soldering area (top layer)	Tin (3 - 5 µm Sn)
Metal surface soldering area (middle layer)	Nickel (1 - 3 µm Ni)

Material data - housing

Housing color	black (9005)
Insulating material	PA
Insulating material group	IIIa
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	270 °C

Dimensions for the product

Caption	Schematische Abbildung - weitere Details siehe Produktfamilienzeichnung im Download Center
Length [l]	2.8 mm
Width [w]	31.1 mm
Height [h]	13 mm
Pitch	3.5 mm
Height (without solder pin)	9.2 mm
Solder pin [P]	3.8 mm
Pin dimensions	ø 1 mm

Dimensions for PCB design

Hole diameter	1.2 mm

Packaging information

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Technical data

Packaging information

Type of packaging	packed in cardboard
Pieces per package	100
Denomination packing units	Pcs.

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)

Air clearances and creepage distances

Clearances and creepage distances	IEC 60664-1:2007-04
Specification	IEC 60664-1:2007-04
Minimum clearance - inhomogeneous field (III/3)	1.5 mm
Minimum clearance - inhomogeneous field (III/2)	1.5 mm
Minimum clearance - inhomogeneous field (II/2)	1.5 mm
Minimum creepage distance value (III/3)	2.5 mm
Minimum creepage distance value (III/2)	2.5 mm
Minimum creepage distance value (II/2)	2.5 mm

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

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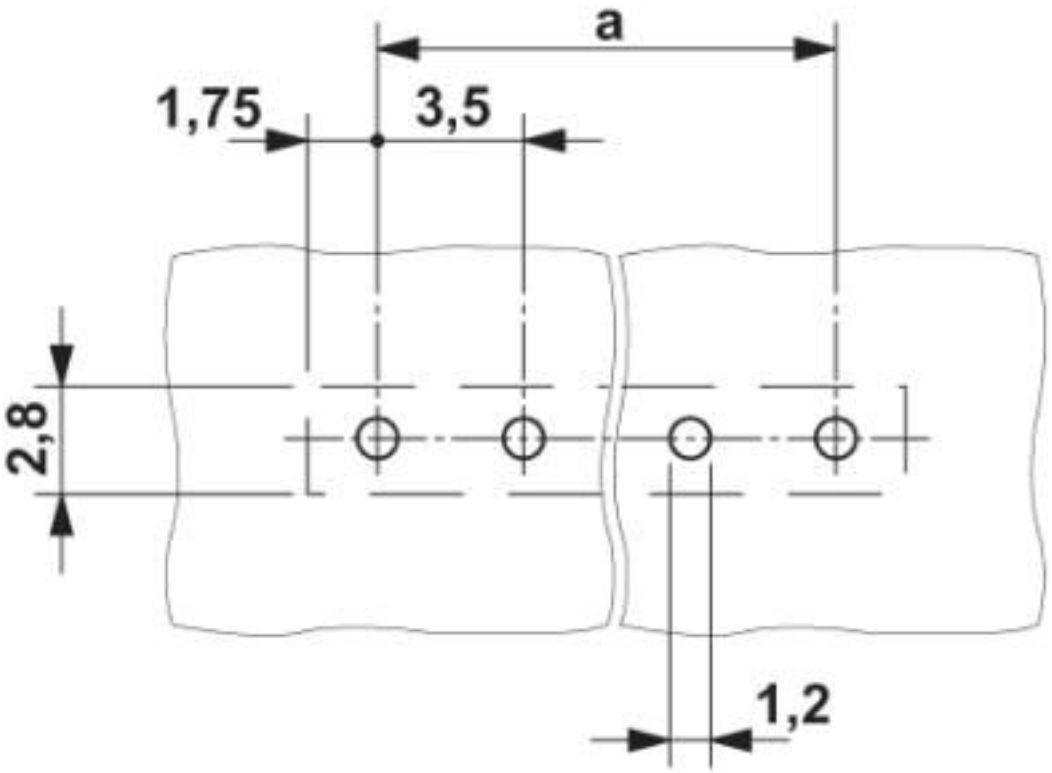
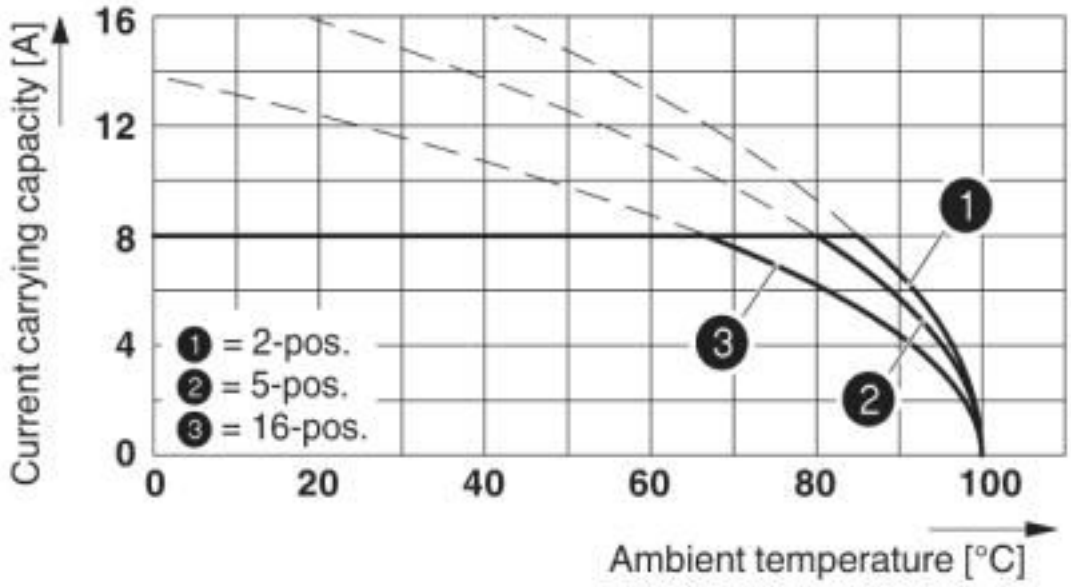
Drilling diagram



Diagram



Derating curve for: PTDA 1,5/..-PH-3,5 with PST 1,0/..-3,5

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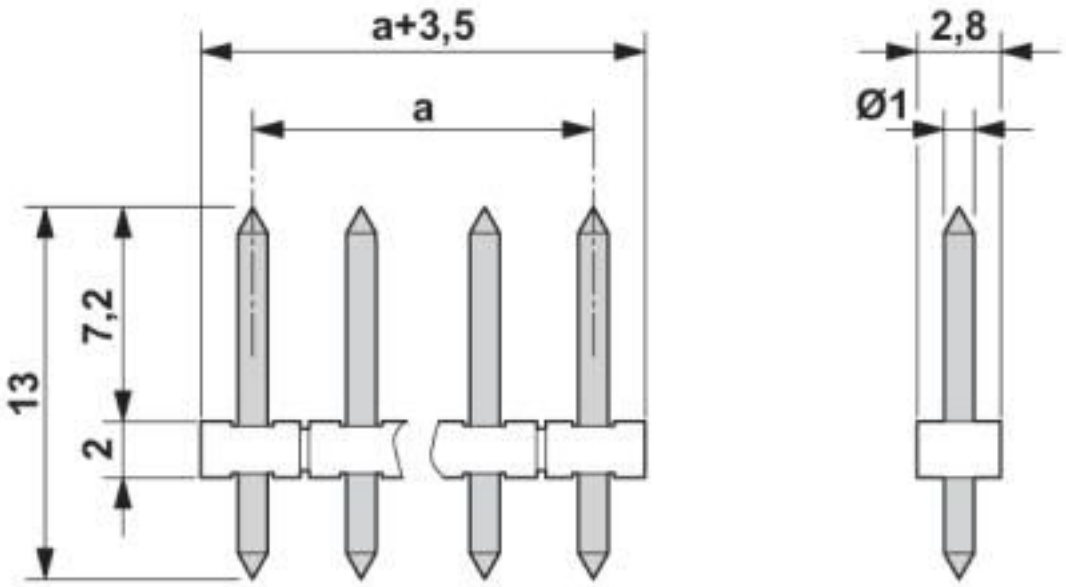
Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27440402
eCl@ss 11.0	27460201
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440402
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002637
ETIM 5.0	EC002637
ETIM 6.0	EC002637
ETIM 7.0	EC002637

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432

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Classifications

UNSPSC

UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

Approvals

Approvals

Approvals

SEV / EAC / cULus Recognized / IECEE CB Scheme

Ex Approvals

Approval details

SEV		https://www.eurofins.ch/de/	IK-4496

Nominal voltage UN	250 V
Nominal current IN	8 A

EAC		B.01687

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-20030211

	B
Nominal voltage UN	300 V
Nominal current IN	10 A

IECEE CB Scheme		http://www.iecee.org/	CH-10786

Nominal voltage UN	250 V

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Approvals

Nominal current IN	8 A

Accessories

Additional products

Plug - PTDA 1,5/ 9-PH-3,5 - 1725198

PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 240 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 9, Number of rows: 1, Number of positions per row: 9, number of connections: 18, product range: PTDA 1,5/..-PH, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 45 °, pin layout: Linear double pinning, Stecksystem: COMBICON COMPACT PST 1, Locking: without, type of packaging: packed in cardboard

PCB terminal block - FK-MPT 0,5/ 9-ST-3,5 - 1913992

PCB connector, nominal cross section: 0.5 mm², color: green, nominal current: 4 A, rated voltage (III/2): 250 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 9, Number of rows: 1, Number of positions per row: 9, number of connections: 18, product range: FK-MPT 0,5/..-ST, pitch: 3.5 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, Stecksystem: COMBICON COMPACT PST 1, Locking: without, type of packaging: packed in cardboard

PCB terminal block - PT 1,5/ 9-PVH-3,5 - 1984086

PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 200 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 9, Number of rows: 1, Number of positions per row: 9, number of connections: 9, product range: PT 1,5/..-PVH, pitch: 3.5 mm, connection method: Screw connection with wire protector, conductor/PCB connection direction: 0 °, Stecksystem: COMBICON COMPACT PST 1, Locking: without, type of packaging: packed in cardboard

PCB terminal block - PT 1,5/ 9-PH-3,5 - 1984387

PCB connector, nominal cross section: 1.5 mm², color: green, nominal current: 8 A, rated voltage (III/2): 200 V, contact surface: Tin, type of contact: Female connector, Number of potentials: 9, Number of rows: 1, Number of positions per row: 9, number of connections: 9, product range: PT 1,5/..-PH, pitch: 3.5 mm, connection method: Screw connection with wire protector, conductor/PCB connection direction: 0 °, Stecksystem: COMBICON COMPACT PST 1, Locking: without, type of packaging: packed in cardboard

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