Screw compact terminal block - PT 2,5/ 2-7,5-V - 1987957

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The figure shows a 10-position version of the product

PCB terminal block, Nominal current: 32 A, Nom. voltage: 800 V, Pitch: 7.5 mm, Number of positions: 2, Connection method: Screw connection, Mounting: Soldering, Conductor/PCB connection direction: 90 °, Color: green

Product Features

- 7.5 mm pitch
- Large terminal block capacity thanks to rectangular clamping space
- Rugged version for larger cross sections and higher voltages
- Highly flexible conductor protection for easy, repeated connection
- Plus/minus screw

Key commercial data

package_quantity	250
GTIN	4046356036481

Technical data

Dimensions

Length	13.5 mm
Height	9 mm
Pitch	7.5 mm
Dimension a	7.5 mm
Pin dimensions	1,0 mm
Pin spacing	7.5 mm
Hole diameter	1.3 mm

General

Range of articles	PT 2,5/..-V
Insulating material group	I
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV
Rated voltage (III/3)	500 V
Rated voltage (III/2)	800 V
Rated voltage (II/2)	1000 V
Connection in acc. with standard	EN-VDE

Screw compact terminal block - PT 2,5/ 2-7,5-V - 1987957

Technical data

General

Nominal current I_N	32 A
Nominal cross section	2.5 mm²
Maximum load current	32 A (current values dependent on no. of pos., dimensioning of printed circuits, and ambient temperature)
Insulating material	PA
Solder pin surface	Sn
Inflammability class according to UL 94	V0
Internal cylindrical gage	A3
Stripping length	6.5 mm
Number of positions	2
Screw thread	M3
Tightening torque, min	0.45 Nm
Tightening torque max	0.5 Nm

Connection data

Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section stranded min.	0.5 mm²
Conductor cross section stranded max.	4 mm²
Conductor cross section stranded, with ferrule without plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule without plastic sleeve max.	2.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve min.	0.5 mm²
Conductor cross section stranded, with ferrule with plastic sleeve max.	2.5 mm²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	10
2 conductors with same cross section, solid min.	0.5 mm²
2 conductors with same cross section, solid max.	1.5 mm²
2 conductors with same cross section, stranded min.	0.5 mm²
2 conductors with same cross section, stranded max.	1.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	0.75 mm² The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm²
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1.5 mm² The technical data regarding clamping with ferrules applies only when using crimping pliers ZA 3. When using ferrules, it is necessary to take into account possible restrictions regarding nominal voltage.
Minimum AWG according to UL/CUL	20

Screw compact terminal block - PT 2,5/ 2-7,5-V - 1987957

Technical data

Connection data

Maximum AWG according to UL/CUL	12

classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27141109
eCl@ss 5.0	27141190
eCl@ss 5.1	27141190
eCl@ss 6.0	27261101
eCl@ss 7.0	27440401
eCl@ss 8.0	27440401

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002643
ETIM 5.0	EC002643

UNSPSC

UNSPSC 6.01	30211801
UNSPSC 7.0901	39121432
UNSPSC 11	34131203
UNSPSC 12.01	39121432
UNSPSC 13.2	39121432

approvals

UL Recognized / VDE Gutachten mit Fertigungsüberwachung / cUL Recognized / CCA / IECEE CB Scheme / cULus Recognized /

Approval details

UL Recognized

Usegroups	**B**	**C**	**D**
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	20 A	20 A	10 A
mm²/AWG/kcmil	20-12	20-12	20-12

VDE Gutachten mit Fertigungsüberwachung

Screw compact terminal block - PT 2,5/ 2-7,5-V - 1987957

approvals

Nominal voltage UN	750 V
Nominal current IN	32 A
mm²/AWG/kcmil	0.5-4

cUL Recognized

Usegroups	B	C	D
Nominal voltage UN	300 V	150 V	300 V
Nominal current IN	20 A	20 A	10 A
mm²/AWG/kcmil	20-12	20-12	30-12

CCA

Nominal voltage UN	750 V
Nominal current IN	32 A
mm²/AWG/kcmil	0.5-4

IECEE CB Scheme

Nominal voltage UN	750 V
Nominal current IN	32 A
mm²/AWG/kcmil	0.5-4

cULus Recognized

accessories

Screwdriver tools

SZS 0,6X3,5 - 1205053



Labeled terminal marker

Screw compact terminal block - PT 2,5/ 2-7,5-V - 1987957

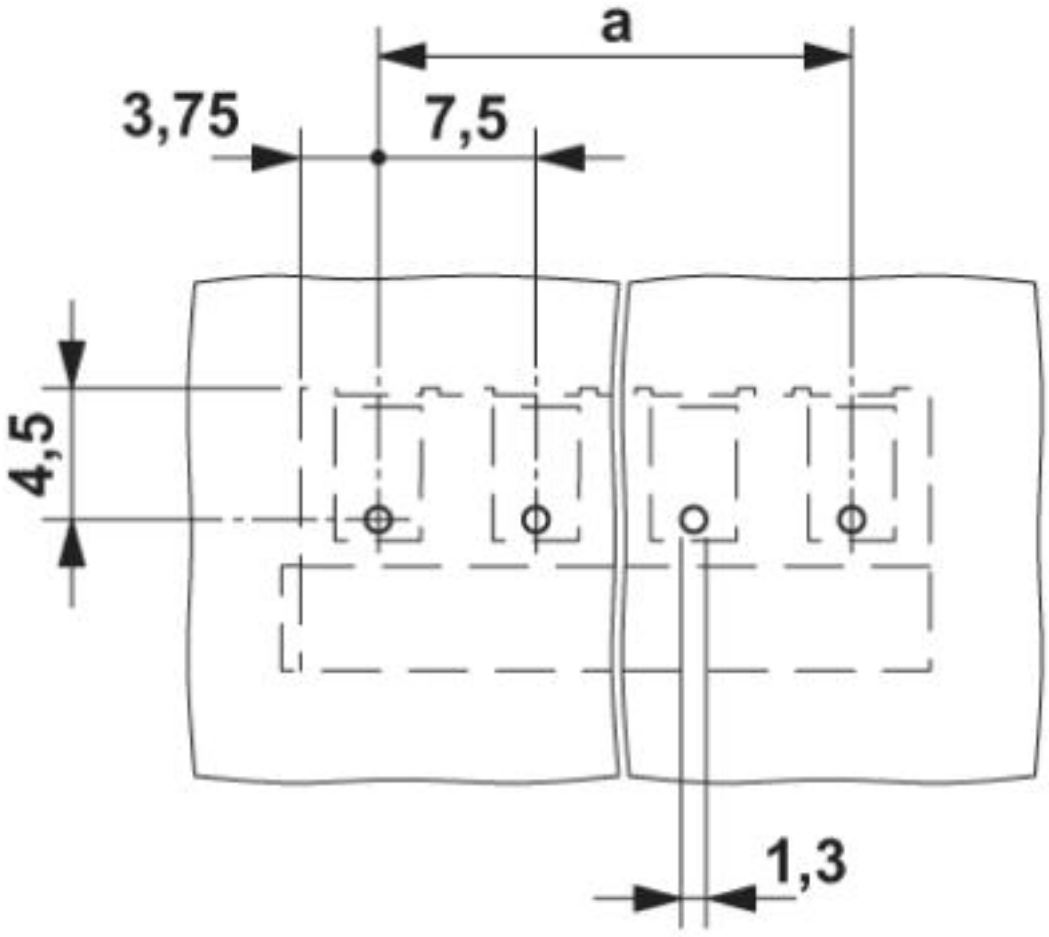
accessories

SK 7,5/3,8:FORTL.ZAHLEN - 0804455



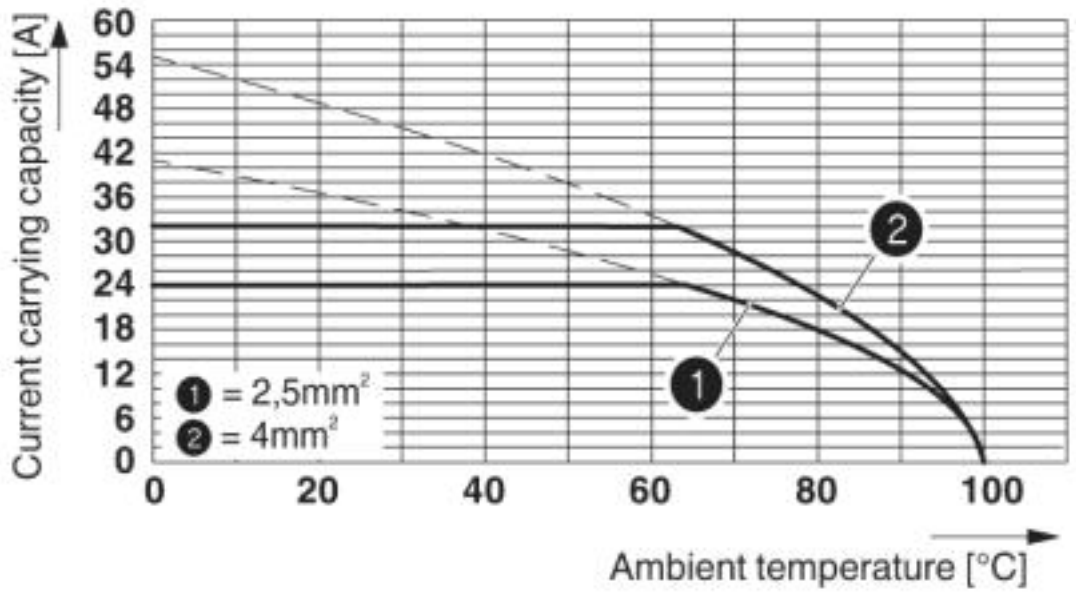
Drawings

Drilling diagram



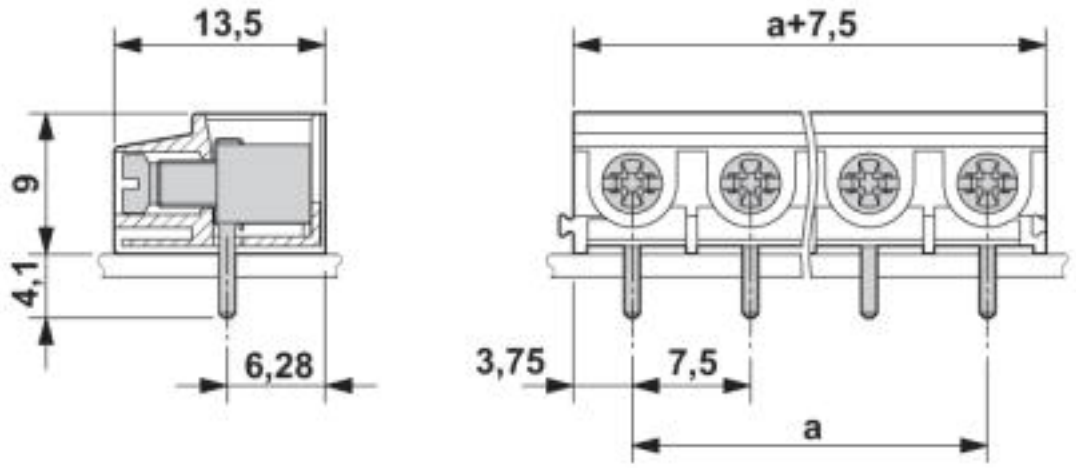
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Diagram



Derating diagram for 5 pins;reduction factor=1

Dimensioned drawing



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