

## PCB terminal block - FRONT 4-H-6,35 - 1703050

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PCB terminal block, Nominal current: 32 A, Nom. voltage: 320 V, Pitch: 6.35 mm, Number of positions: 1, Connection method: Front screw connection, Mounting: Wave soldering, Conductor/PCB connection direction: 0°, Color: green, The article can be aligned to create different nos. of positions!


The figure shows a 5-pos. version of the product

### Product Features

- Well-known connection principle allows worldwide use
- Low temperature rise, thanks to maximum contact force
- Allows connection of two conductors
- Operation and conductor connection from one direction enable integration into front of device



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	50 pc
GTIN	 4 017918 023072
Weight per Piece (excluding packing)	8.02 g
Custom tariff number	85369010
Country of origin	Bulgaria

### Technical data

#### Dimensions

Length	26 mm
Pitch	6.35 mm
Dimension a	6.35 mm
Constructional height	26 mm

# PCB terminal block - FRONT 4-H-6,35 - 1703050

## Technical data

### Dimensions

Height	33 mm
Length of the solder pin	5 mm
Pin dimensions	1 x 0,8 mm
Hole diameter	1.3 mm

### General

Range of articles	FRONT 4-H
Insulating material group	I
Rated surge voltage (III/3)	4 kV
Rated surge voltage (III/2)	4 kV
Rated surge voltage (II/2)	4 kV
Rated voltage (III/3)	320 V
Rated voltage (III/2)	320 V
Rated voltage (II/2)	630 V
Connection in acc. with standard	EN-VDE
Nominal current $I_N$	32 A
Nominal cross section	4 mm <sup>2</sup>
Maximum load current	41 A (with 6 mm <sup>2</sup> conductor cross section)
Insulating material	PA
Solder pin surface	Sn
Flammability rating according to UL 94	V0
Stripping length	14 mm
Number of positions	1
Screw thread	M3
Tightening torque, min	0.5 Nm
Tightening torque max	0.6 Nm

### Connection data

Conductor cross section solid min.	0.5 mm <sup>2</sup>
Conductor cross section solid max.	6 mm <sup>2</sup>
Conductor cross section flexible min.	0.5 mm <sup>2</sup>
Conductor cross section flexible max.	6 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	4 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.5 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	2.5 mm <sup>2</sup>
Conductor cross section AWG min.	20
Conductor cross section AWG max.	10

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### Technical data

#### Connection data

2 conductors with same cross section, solid min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, solid max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	1.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.25 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	1 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.5 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	1 mm <sup>2</sup>

#### Standards and Regulations

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

### Classifications

#### eCl@ss

eCl@ss 4.0	27141109
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
eCl@ss 9.0	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	39121432
UNSPSC 12.01	39121432

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## Classifications

### UNSPSC

UNSPSC 13.2	39121432
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## Approvals

### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / GL / RS / EAC / EAC / cULus Recognized

#### Ex Approvals

#### Approvals submitted

## Approval details

CSA		
	B	D
mm <sup>2</sup> /AWG/kcmil	22-10	22-10
Nominal current I <sub>N</sub>	30 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

UL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-10	24-10
Nominal current I <sub>N</sub>	30 A	10 A
Nominal voltage U <sub>N</sub>	300 V	300 V

cUL Recognized		
	B	D
mm <sup>2</sup> /AWG/kcmil	24-10	24-10

## PCB terminal block - FRONT 4-H-6,35 - 1703050

### Approvals

	B	D
Nominal current IN	30 A	10 A
Nominal voltage UN	300 V	300 V

GL

RS

EAC

EAC

cULus Recognized 

### Accessories

#### Accessories

##### End cover

PCB terminal block - D-FRONT 4-6,35 - 1703076



End cover, necessary at the end of a terminal row, 1.5 mm thick, color: green

##### Labeled terminal marker

Marker card - SK 6,2/3,8:FORTL.ZAHLEN - 0804374



Marker card, Card, white, labeled, Horizontal: Consecutive numbers 1 - 10, 11 - 20, etc. up to 91 - (99)100, Mounting type: Adhesive, for terminal block width: 6.2 mm, Lettering field: 6.2 x 3.8 mm

##### Marker pen

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### Accessories

Marker pen - B-STIFT - 1051993



Marker pen, for manual labeling of unprinted Zack strips, smear-proof and waterproof, line thickness 0.5 mm

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### Screwdriver tools

Screwdriver - SZS 0,6X3,5 - 1205053



Actuation tool, for ST terminal blocks, insulated, also suitable for use as a bladed screwdriver, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip

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### Terminal marking

Marker card - SK 6,2/3,8:UNBEDRUCKT - 0805425



Marker card, Card, white, unlabeled, can be labeled with: Marker pen, Mounting type: Adhesive, for terminal block width: 6.2 mm, Lettering field: 6.2 x 3.8 mm

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### Additional products

PCB terminal block - D-FRONT 4-6,35 - 1703076



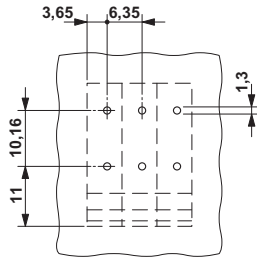
End cover, necessary at the end of a terminal row, 1.5 mm thick, color: green

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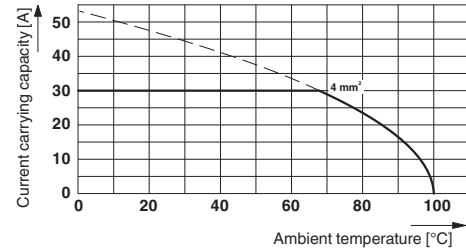
### Drawings

# PCB terminal block - FRONT 4-H-6,35 - 1703050

Drilling diagram

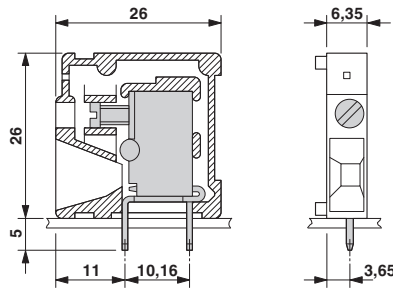


Diagram



Type: FRONT 4-H-6,35  
Test following DIN EN 60512-5-2:2003-01  
Reduction factor = 1  
No. of positions: 5

Dimensional drawing



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