

## Power terminal block - EK 135 - 0401023

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Power terminal block, Connection method Screw connection, Load current : 125 A, Cross section: 0.75 mm<sup>2</sup> - 35 mm<sup>2</sup>, Width: 12 mm, Color: aluminum color

### Product Features

- This can be done easily with the branch terminal block because the terminal block can later be attached and firmly clamped anywhere on a copper rail (up to max. 5 mm thick)



### Key Commercial Data

Packing unit	1 pc
Minimum order quantity	10 pc
GTIN	 4 017918 001773
Weight per Piece (excluding packing)	38.18 g
Custom tariff number	85369010
Country of origin	Poland

### Technical data

#### General

Color	aluminum color
Nominal cross section	35 mm <sup>2</sup>
Maximum load current	125 A (with 35 mm <sup>2</sup> conductor cross section)
Nominal current I <sub>N</sub>	125 A (with 35 mm <sup>2</sup> conductor cross section)
Maximum load current	125 A (with 35 mm <sup>2</sup> conductor cross section)
Result of the test for mechanical stability of terminal points (5 x conductor connection)	Test passed
Result of bending test	Test passed

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## Technical data

### General

Bending test rotation speed	10 rpm
Bending test turns	135
Bending test conductor cross section/weight	0.75 mm <sup>2</sup> / 0.4 kg
	25 mm <sup>2</sup> / 4.5 kg
	35 mm <sup>2</sup> / 6.8 kg
Tensile test result	Test passed
Conductor cross section tensile test	0.75 mm <sup>2</sup>
Tractive force setpoint	30 N
Conductor cross section tensile test	25 mm <sup>2</sup>
Tractive force setpoint	135 N
Conductor cross section tensile test	35 mm <sup>2</sup>
Tractive force setpoint	190 N
Result of voltage-drop test	Test passed
Requirements, voltage drop	≤ 3.2 mV
Result of temperature-rise test	Test passed
Short circuit stability result	Test passed
Conductor cross section short circuit testing	25 mm <sup>2</sup>
Short-time current	3 kA
Conductor cross section short circuit testing	35 mm <sup>2</sup>
Short-time current	4.2 kA

### Dimensions

Length	40 mm
Width	12 mm

### Connection data

Conductor cross section solid min.	0.75 mm <sup>2</sup>
Conductor cross section solid max.	35 mm <sup>2</sup>
Conductor cross section flexible min.	0.75 mm <sup>2</sup>
Conductor cross section flexible max.	35 mm <sup>2</sup>
Conductor cross section AWG min.	18
Conductor cross section AWG max.	2
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule without plastic sleeve max.	35 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve min.	0.75 mm <sup>2</sup>
Conductor cross section flexible, with ferrule with plastic sleeve max.	35 mm <sup>2</sup>
2 conductors with same cross section, solid min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, solid max.	10 mm <sup>2</sup>

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### Technical data

#### Connection data

2 conductors with same cross section, stranded min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, ferrules without plastic sleeve, max.	10 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min.	0.75 mm <sup>2</sup>
2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max.	10 mm <sup>2</sup>
Connection method	Screw connection
Stripping length	14 mm
Screw thread	M6
Tightening torque, min	3.2 Nm
Tightening torque max	3.7 Nm

### Classifications

#### eCl@ss

eCl@ss 4.0	27141131
eCl@ss 4.1	27141131
eCl@ss 5.0	27141131
eCl@ss 5.1	27141131
eCl@ss 6.0	27141120
eCl@ss 7.0	27141120
eCl@ss 8.0	27141146
eCl@ss 9.0	27141120

#### ETIM

ETIM 2.0	EC000897
ETIM 3.0	EC000897
ETIM 4.0	EC000900
ETIM 5.0	EC000001

#### UNSPSC

UNSPSC 6.01	30211811
UNSPSC 7.0901	39121410
UNSPSC 11	39121410
UNSPSC 12.01	39121410

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## Classifications

### UNSPSC

UNSPSC 13.2	39121410
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## Approvals

### Approvals

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#### Approvals

EAC / EAC

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#### Ex Approvals

ATEX / IECEx / EAC Ex

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#### Approvals submitted

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## Approval details

EAC
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EAC
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