

# AK 4 - Connection terminal block



0404017

<https://www.phoenixcontact.com/us/products/0404017>

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Connection terminal block, connection method: Screw connection, Rated cross section: 4 mm<sup>2</sup>, cross section: 0.5 mm<sup>2</sup> - 6 mm<sup>2</sup>, mounting: Neutral busbar, color: silver

## Commercial data

Item number	0404017
Packing unit	50 pc
Minimum order quantity	50 pc
Sales key	BE73
Product key	BE7331
GTIN	4017918001841
Weight per piece (including packing)	4.88 g
Weight per piece (excluding packing)	4.127 g
Customs tariff number	85369010
Country of origin	IN

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## Technical data

### Product properties

Product type	Pick-off terminal
Number of connections	1
Number of rows	1

### Electrical properties

Maximum load current	41 A
Maximum power dissipation for nominal condition	1.02 W
Nominal current $I_N$	32 A
Current carrying capacity of the neutral busbar	140 A

### Connection data

Nominal cross section	4 mm <sup>2</sup>
Maximum load current	41 A
Connection method	Screw connection
Screw thread	M4
Tightening torque	1.5 ... 1.8 Nm
Stripping length	16 mm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross-section rigid	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross-section flexible	0.5 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section, flexible [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
Flexible conductor cross-section (ferrule with plastic sleeve)	0.5 mm <sup>2</sup> ... 6 mm <sup>2</sup>
2 conductors with same cross section, rigid	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, flexible	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Nominal cross section	4 mm <sup>2</sup>

### Dimensions

Width	7 mm
Height	16 mm
Depth	23.6 mm
Length	16 mm

### Material specifications

Color	silver-colored
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## Electrical tests

Result	Test passed
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## Mechanical tests

### Mechanical strength

Result	Test passed
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## Standards and regulations

Connection in acc. with standard	IEC 60947-7-1
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## Mounting

Mounting type	Neutral busbar
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/0404017>



**EAC**

Approval ID: KZ7500651131219505



**cULus Recognized**

Approval ID: E60425

	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
<b>B</b>				
Field wiring	-	20 A	22 - 12	-
Factory wiring	-	30 A	- 10	-
<b>C</b>				
Field wiring	-	20 A	22 - 12	-
Factory wiring	-	30 A	- 10	-
<b>F</b>				
Field wiring	-	20 A	22 - 12	-
Factory wiring	-	30 A	- 10	-

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## Classifications

### ECLASS

ECLASS-13.0	27250116
ECLASS-15.0	27250116

### ETIM

ETIM 10.0	EC000001
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### UNSPSC

UNSPSC 21.0	31162900
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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