

AK 4 - Connection terminal block



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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Connection terminal block, connection method: Screw connection, Rated cross section: 4 mm², cross section: 0.5 mm² - 6 mm², 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)	4.908 g
Weight per piece (excluding packing)	4.127 g
Customs tariff number	85369010
Country of origin	IN

AK 4 - Connection terminal block



0404017

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

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 ²
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 ² ... 6 mm ²
Cross section AWG	20 ... 10 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 4 mm ²
Conductor cross section, flexible [AWG]	20 ... 12 (converted acc. to IEC)
Conductor cross-section flexible (ferrule without plastic sleeve)	0.5 mm ² ... 6 mm ²
Flexible conductor cross section (ferrule with plastic sleeve)	0.5 mm ² ... 6 mm ²
2 conductors with same cross section, solid	0.5 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible	0.5 mm ² ... 2.5 mm ²
2 conductors with same cross section, flexible, with ferrule without plastic sleeve	0.5 mm ² ... 2.5 mm ²
2 conductors with the same cross section, flexible, with TWIN ferrule with plastic sleeve	0.5 mm ² ... 2.5 mm ²
Nominal cross section	4 mm ²

Dimensions

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

Material specifications

Color	silver-colored
-------	----------------

AK 4 - Connection terminal block



0404017

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

Electrical tests

Result	Test passed
--------	-------------

Mechanical tests

Mechanical strength

Result	Test passed
--------	-------------

Standards and regulations

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

Mounting

Mounting type	Neutral busbar
---------------	----------------

AK 4 - Connection terminal block



0404017

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

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 mm^2
B				
Field wiring	-	20 A	22 - 12	-
Factory wiring	-	30 A	- 10	-
C				
Field wiring	-	20 A	22 - 12	-
Factory wiring	-	30 A	- 10	-
F				
Field wiring	-	20 A	22 - 12	-
Factory wiring	-	30 A	- 10	-

AK 4 - Connection terminal block



0404017

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

Classifications

ECLASS

ECLASS-13.0	27250116
ECLASS-15.0	27250116

ETIM

ETIM 9.0	EC000001
----------	----------

UNSPSC

UNSPSC 21.0	31162900
-------------	----------

AK 4 - Connection terminal block



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

Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
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%

Phoenix Contact 2025 © - all rights reserved
<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com