

AGK PT 4X6/M12 - Pick-off terminal



1017454

<https://www.phoenixcontact.com/us/products/1017454>

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Pick-off terminal, nom. voltage: 1000 V, nominal current: 41 A, number of connections: 5, connection method: Push-in connection, 1 level, Rated cross section: 6 mm², cross section: 0.5 mm² - 10 mm², Bolt connection, 1 level, mounting type: on base element, color: gray

Your advantages

- The fully insulated, optional use pick-off terminal block enables voltage pick-off
- Large-surface marking

Commercial Data

Item number	1017454
Packing unit	1 pc
Minimum order quantity	10 pc
Sales Key	BE29
Product Key	BE2ZWX
Catalog Page	Page 119 (C-1-2019)
GTIN	4055626500645
Weight per Piece (including packing)	42.3 g
Weight per Piece (excluding packing)	37.7 g
Customs tariff number	85369010
Country of origin	CN

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Technical Data

Product properties

Product type	Pick-off terminal
Number of connections	5
Number of rows	1
Potentials	1

Insulation characteristics

Overvoltage category	III
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Electrical properties

Rated surge voltage	8 kV
Maximum power dissipation for nominal condition	1.31 W

Connection data

Number of connections per level	5
Nominal cross section	6 mm ²
Rated cross section AWG	10

1 level

Stripping length	10 mm ... 12 mm
Internal cylindrical gage	A5
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section rigid	0.5 mm ² ... 10 mm ²
Cross section AWG	20 ... 8 (converted acc. to IEC)
Conductor cross section flexible	0.5 mm ² ... 6 mm ²
Conductor cross section, flexible [AWG]	20 ... 10 (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
Conductor cross-section flexible (2 conductors with the same cross-section, with TWIN ferrule and plastic sleeve)	0.5 mm ² ... 1.5 mm ²
Nominal current	41 A
Maximum load current	57 A
Maximum total current	109 A (Bolt connection)
Nominal voltage	1000 V
Nominal cross section	6 mm ²

1 level

Screw thread	M12
Note	Connection bolts
Tightening torque	14 ... 31 Nm
Connection in acc. with standard	IEC 60947-7-1
Conductor cross section flexible	6 mm ² ... 120 mm ²
Conductor cross section, flexible [AWG]	10 ... 250 kcmil (converted acc. to IEC)

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Nominal current	41 A
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Cable lug connection

Cross section range AWG	(converted acc. to IEC)
Hole diameter	12.4 mm
Width	32 mm
Bolt diameter	12 mm
Screw thread	M12

Dimensions

Width	31 mm
Height	57.4 mm
Depth	32.3 mm
Length	57.4 mm
Hole diameter	12.4 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Insulating material group	I
Insulating material	PA

Mechanical properties

Mechanical data

Open side panel	No
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Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-60 °C ... 105 °C (max. short-term operating temperature RTI Elec.)
Ambient temperature (storage/transport)	-25 °C ... 60 °C (for a short time, not exceeding 24 h, -60 °C to +70 °C)
Ambient temperature (assembly)	-5 °C ... 70 °C
Ambient temperature (actuation)	-5 °C ... 70 °C
Permissible humidity (storage/transport)	30 % ... 70 %

Standards and regulations

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

Mounting

Mounting type	on base element
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Drawings

Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1017454>

 CSA Approval ID: 158887				
	Nominal Voltage U_N	Nominal Current I_N	Cross Section AWG	Cross Section mm^2
Use group C				
Output	1000 V	50 A	20 - 8	-
Input	1000 V	100 A	NA - NA	-

 EAC Approval ID: RU C-DE.BL08.B.00644				
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 cULus Recognized Approval ID: E60425				
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 cULus Recognized Approval ID: E60425				
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Classifications

ECLASS

ECLASS-11.0	27141120
ECLASS-13.0	27250308

ETIM

ETIM 8.0	EC000897
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UNSPSC

UNSPSC 21.0	39121400
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Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

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Accessories

HV M12/1 - High Current Connectors

3049505

<https://www.phoenixcontact.com/us/products/3049505>



High Current Connectors, nom. voltage: 1000 V, nominal current: 269 A, number of connections: 1, connection method: Bolt connection, Rated cross section: 120 mm², mounting type: NS 35/7,5, NS 35/15, color: gray

ZB 7,5 CUS - Zack marker strip

0824994

<https://www.phoenixcontact.com/us/products/0824994>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 7.5 mm, lettering field size: 10.5 x 7.4 mm, Number of individual labels: 10

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ZB 7,5:UNBEDRUCKT - Zack marker strip

0803948

<https://www.phoenixcontact.com/us/products/0803948>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 7.5 mm, lettering field size: 10.5 x 7.4 mm, Number of individual labels: 10

ZBF 7,5:UNBEDRUCKT - Zack Marker strip, flat

0809942

<https://www.phoenixcontact.com/us/products/0809942>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 7.5 mm, lettering field size: 5.15 x 7.4 mm, Number of individual labels: 10

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ZBF 7,5 CUS - Zack Marker strip, flat

0825028

<https://www.phoenixcontact.com/us/products/0825028>



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 7.5 mm, lettering field size: 5.15 x 7.4 mm, Number of individual labels: 10

ZBF 7,5,LGS:FORTL.ZAHLEN - Zack Marker strip, flat

0809955

<https://www.phoenixcontact.com/us/products/0809955>



Zack Marker strip, flat, Strip, white, labeled, printed horizontally: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 7.5 mm, lettering field size: 5.15 x 7.4 mm, Number of individual labels: 10

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ZBF 7,5,QR:FORTL.ZAHLEN - Zack Marker strip, flat

0809968

<https://www.phoenixcontact.com/us/products/0809968>



Zack Marker strip, flat, Strip, white, labeled, Printed vertically: consecutive numbers 1 ... 10, 11 ... 20, etc. up to 91 ... 100, mounting type: snapped, for terminal block width: 7.5 mm, lettering field size: 5.15 x 7.4 mm, Number of individual labels: 10

TMT (EX9,5)R - Marker for terminal blocks

0828295

<https://www.phoenixcontact.com/us/products/0828295>



Marker for terminal blocks, Roll, white, unlabeled, can be labeled with: THERMOMARK E.300 (D)/600 (D), THERMOMARK ROLL 2.0, THERMOMARK ROLL, THERMOMARK ROLL X1, THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, mounting type: snapped, snap into tall marker groove, for terminal block width: 30000 mm, lettering field size: 9.5 x 50000 mm, Number of individual labels: 1

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US-TM 100 - Marker for terminal blocks

0829255

<https://www.phoenixcontact.com/us/products/0829255>



Marker for terminal blocks, Card, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, lettering field size: 104 x 9.8 mm, Number of individual labels: 13

ZB 16:UNPRINTED - Zack marker strip

0827461

<https://www.phoenixcontact.com/us/products/0827461>



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 16 x 10.5 mm, Number of individual labels: 50

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ZB 16 CUS - Zack marker strip

0827463

<https://www.phoenixcontact.com/us/products/0827463>



Zack marker strip, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 10.5 x 16 mm, Number of individual labels: 5

ZB 16,LGS:L1-N,PE - Zack marker strip

0827462

<https://www.phoenixcontact.com/us/products/0827462>



Zack marker strip, Strip, white, labeled, printed horizontally: L1, L2, L3, N, PE, mounting type: snapped, for terminal block width: 16.3 mm, lettering field size: 10.5 x 16.25 mm, Number of individual labels: 5

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UC-TM 16 - Marker for terminal blocks

0819217

<https://www.phoenixcontact.com/us/products/0819217>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

UC-TM 16 CUS - Marker for terminal blocks

0824621

<https://www.phoenixcontact.com/us/products/0824621>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 10.5 mm, Number of individual labels: 32

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UCT-TM 16 - Marker for terminal blocks

0829146

<https://www.phoenixcontact.com/us/products/0829146>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 14.8 x 9.6 mm, Number of individual labels: 18

UCT-TM 16 CUS - Marker for terminal blocks

0829637

<https://www.phoenixcontact.com/us/products/0829637>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into tall marker groove, for terminal block width: 16 mm, lettering field size: 14.8 x 9.6 mm, Number of individual labels: 18

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ZBF 16:UNPRINTED - Zack Marker strip, flat

0827464

<https://www.phoenixcontact.com/us/products/0827464>



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 16.25 x 10.5 mm, Number of individual labels: 50

ZBF 16 CUS - Zack Marker strip, flat

0827465

<https://www.phoenixcontact.com/us/products/0827465>



Zack Marker strip, flat, can be ordered: Strip, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 5.15 x 16 mm, Number of individual labels: 5

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UC-TMF 16 - Marker for terminal blocks

0819262

<https://www.phoenixcontact.com/us/products/0819262>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32

UC-TMF 16 CUS - Marker for terminal blocks

0824678

<https://www.phoenixcontact.com/us/products/0824678>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.45 x 5.1 mm, Number of individual labels: 32

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UCT-TMF 16 - Marker for terminal blocks

0829218

<https://www.phoenixcontact.com/us/products/0829218>



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snapped, for terminal block width: 16 mm, lettering field size: 15.2 x 4.7 mm, Number of individual labels: 24

UCT-TMF 16 CUS - Marker for terminal blocks

0829693

<https://www.phoenixcontact.com/us/products/0829693>



Marker for terminal blocks, can be ordered: by sheet, white, labeled according to customer specifications, mounting type: snap into flat marker groove, for terminal block width: 16 mm, lettering field size: 15.2 x 4.7 mm, Number of individual labels: 24

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MPS-MT - Test plugs

0201744

<https://www.phoenixcontact.com/us/products/0201744>



Test plugs, with solder connection up to 1 mm² conductor cross section, number of positions: 1, color: gray

MPS-IH WH - Insulating sleeve

0201663

<https://www.phoenixcontact.com/us/products/0201663>

Insulating sleeve, color: white



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MPS-IH RD - Insulating sleeve

0201676

<https://www.phoenixcontact.com/us/products/0201676>

Insulating sleeve, color: red

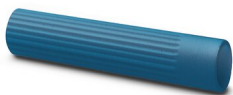


MPS-IH BU - Insulating sleeve

0201689

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Insulating sleeve, color: blue



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MPS-IH YE - Insulating sleeve

0201692

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Insulating sleeve, color: yellow



MPS-IH GN - Insulating sleeve

0201702

<https://www.phoenixcontact.com/us/products/0201702>

Insulating sleeve, color: green



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MPS-IH GY - Insulating sleeve

0201728

<https://www.phoenixcontact.com/us/products/0201728>

Insulating sleeve, color: gray



MPS-IH BK - Insulating sleeve

0201731

<https://www.phoenixcontact.com/us/products/0201731>

Insulating sleeve, color: black



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