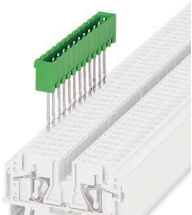


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PCB headers, nominal cross section: 2.5 mm<sup>2</sup>, color: black, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, contact connection type: Pin, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: A-MSTBVA 2,5/..-G, pitch: 5.08 mm, mounting: DIN rail, pin layout: Linear pinning, solder pin [P]: 16.1 mm, number of solder pins per potential: 1, plug-in system: COMBICON MSTB 2,5, Pin connector pattern alignment: Standard, locking: without, mounting: without, type of packaging: packed in cardboard

Your advantages

- Maximum flexibility when it comes to device design – one header for connectors with different connection technologies

Commercial data

Item number	1771965
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AA01
Product key	AAC1GC
GTIN	4046356461009
Weight per piece (including packing)	1.983 g
Weight per piece (excluding packing)	1.983 g
Customs tariff number	85366990
Country of origin	CN

# A-MSTBVA 2,5/ 3-G-5,08 BK - PCB connectors



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## Technical data

### Product properties

Product type	PCB headers
Product family	A-MSTBVA 2,5/..-G
Product line	COMBICON Connectors M
Number of positions	3
Pitch	5.08 mm
Number of connections	3
Number of rows	1
Number of potentials	3
Mounting flange	without
Pin layout	Linear pinning
Solder pins per potential	1

### Electrical properties

Nominal current $I_N$	12 A
Nominal voltage $U_N$	320 V
Degree of pollution	3
Rated voltage (III/2)	320 V

### Mounting

Mounting type	DIN rail
Pin layout	Linear pinning

### Material specifications

#### Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Metal surface contact area (top layer)	Tin (3 - 5 $\mu\text{m}$ Sn)
Metal surface contact area (middle layer)	Nickel (1.3 - 3 $\mu\text{m}$ Ni)
Metal surface soldering area (top layer)	Tin (3 - 5 $\mu\text{m}$ Sn)
Metal surface soldering area (middle layer)	Nickel (1.3 - 3 $\mu\text{m}$ Ni)

#### Material data - housing

Color ()	()
Insulating material	PBT
Insulating material group	IIIa
CTI according to IEC 60112	225
Flammability rating according to UL 94	V0

### Notes

Notes on operation	In accordance with IEC 61984, COMBICON connectors have no
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# A-MSTBVA 2,5/ 3-G-5,08 BK - PCB connectors



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	switching power (COC). During designated use, they must not be plugged in or disconnected when carrying voltage or under load.
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## Dimensions

Dimensional drawing	
Pitch	5.08 mm
Solder pin length [P]	16.1 mm
Pin dimensions	1 x 1 mm

## Electrical tests

Air clearances and creepage distances	
Insulating material group	IIIa
Rated insulation voltage (III/2)	320 V

## Packaging specifications

Type of packaging	packed in cardboard
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# A-MSTBVA 2,5/ 3-G-5,08 BK - PCB connectors




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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1771965>

<div> <b>cULus Recognized</b> Approval ID: E60425-19931011</div>				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $\text{mm}^2$
Use group B				
	300 V	12 A	-	-

# A-MSTBVA 2,5/ 3-G-5,08 BK - PCB connectors



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## Classifications

### ECLASS

ECLASS-11.0	27460201
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### UNSPSC

UNSPSC 21.0	39121409
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# A-MSTBVA 2,5/ 3-G-5,08 BK - PCB connectors



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## 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%

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