

ME-IO-S BUS8-9005 - Bus connector



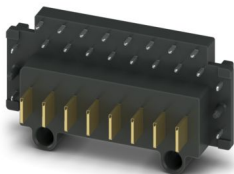
1569885

<https://www.phoenixcontact.com/us/products/1569885>

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56 mm



Plug, color: black, contact surface: Au, number of positions: 8, product range: ME-IO-S., pitch: 3.15 mm, mounting: THR solder connection, pin layout: Linear pinning, solder pin [P]: 1.5 mm, mounting method: without, type of packaging: 56 mm wide tape

Your advantages

- Contact design enables electronics modules to be easily snapped on
- Power supply and communication without additional wiring
- Direct integration into the module

Commercial data

Item number	1569885
Packing unit	200 pc
Minimum order quantity	200 pc
Sales key	AC15
Product key	ACHEBF
GTIN	4067923057630
Weight per piece (including packing)	7.915 g
Weight per piece (excluding packing)	7.915 g
Customs tariff number	85366990
Country of origin	CN

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Technical data

Notes

Recommendation	Further information and detailed dimensions are available in the download area.
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Product properties

Product type	Plug
Product family	ME-IO-S..
Number of positions	8
Pitch	3.15 mm
Pin layout	Linear pinning

Electrical properties

Properties

Contact resistance	4 mΩ
Rated voltage (III/3)	24 V
Rated surge voltage (III/3)	0.8 kV
Rated voltage (III/2)	24 V
Rated surge voltage (III/2)	0.8 kV
Rated voltage (II/2)	24 V
Rated surge voltage (II/2)	0.5 kV

Connection data

Maximum load current	4 A
Connection method	Direct plug-in technology

Dimensions

Width [w]	15.85 mm
Height [h]	13.55 mm
Length [l]	32 mm
Solder pin length [P]	1.5 mm

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
Surface characteristics	Completely gold-plated
Metal surface terminal point (top layer)	Gold (Au)

Material data - housing

Color (Housing)	black (9005)
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Electrical tests

Thermal test | Test group C

Specification	IEC 60512-5-1:2002-02
Tested number of positions	8

Air clearances and creepage distances |

Specification	IEC 60664-1:2007-04
Comparative tracking index (IEC 60112)	CTI 175 - 249
Rated insulation voltage (III/3)	24 V
Rated surge voltage (III/3)	0.8 kV
minimum clearance value - non-homogenous field (III/3)	0.8 mm
minimum creepage distance (III/3)	1.25 mm
Rated insulation voltage (III/2)	24 V
Rated surge voltage (III/2)	0.8 kV
minimum clearance value - non-homogenous field (III/2)	0.2 mm
minimum creepage distance (III/2)	0.5 mm
Rated insulation voltage (II/2)	24 V
Rated surge voltage (II/2)	0.5 kV
minimum clearance value - non-homogenous field (II/2)	0.2 mm
minimum creepage distance (II/2)	0.5 mm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≤ 500
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Mechanical tests

Insertion and withdrawal forces

Result	Test passed
No. of cycles	25
Insertion strength per pos. approx.	0.8 N
Withdraw strength per pos. approx.	0.6 N

Contact holder in insert

Specification	IEC 60512-15-1:2008-05
Contact holder in insert Requirements >20 N	Test passed

Visual inspection

Specification	IEC 60512-1-1:2002-02
Result	Test passed

Dimension check

Specification	IEC 60512-1-2:2002-02
Result	Test passed

Environmental and real-life conditions

Durability test

Specification	IEC 60512-9-1:2010-03
Impulse withstand voltage at sea level	0.91 kV
Contact resistance R ₁	4 mΩ
Contact resistance R ₂	3.5 mΩ
Insertion/withdrawal cycles	200

Climatic test

Specification	EN ISO 22479:2022-06
Corrosive stress	0.2 dm ³ SO ₂ on 300 dm ³ /40 °C/1 cycle
Thermal stress	105 °C/168 h
Power-frequency withstand voltage	0.5 kV

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.15 mm (10 Hz ... 58.1 Hz)
Acceleration	2g (58.1 Hz ... 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis (pos. and neg.)

Shocks

Specification	IEC 60068-2-27:2008-02
Acceleration	15g
Shock duration	11 ms
Test directions	X-, Y- and Z-axis

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Relative humidity (storage/transport)	30 % ... 70 %
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 100 °C (dependent on the derating curve)

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Ambient temperature (assembly)	-5 °C ... 100 °C

Mounting

Mounting type	THR solder connection
Pin layout	Linear pinning

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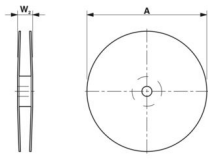
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Processing notes

Process	Reflow soldering
Moisture Sensitive Level	MSL 1
Classification temperature T_c	260 °C
Solder cycles in the reflow	3

Packaging specifications

Dimensional drawing	
Type of packaging	56 mm wide tape
[W] tape width	56 mm
[W2] coil overall dimension	62.4 mm
[A] coil diameter	380 mm
Outer packaging type	Transparent-Bag
ESD level	(D) electrostatically conductive
Specification	DIN EN 61340-5-1 (VDE 0300-5-1): 2008-07

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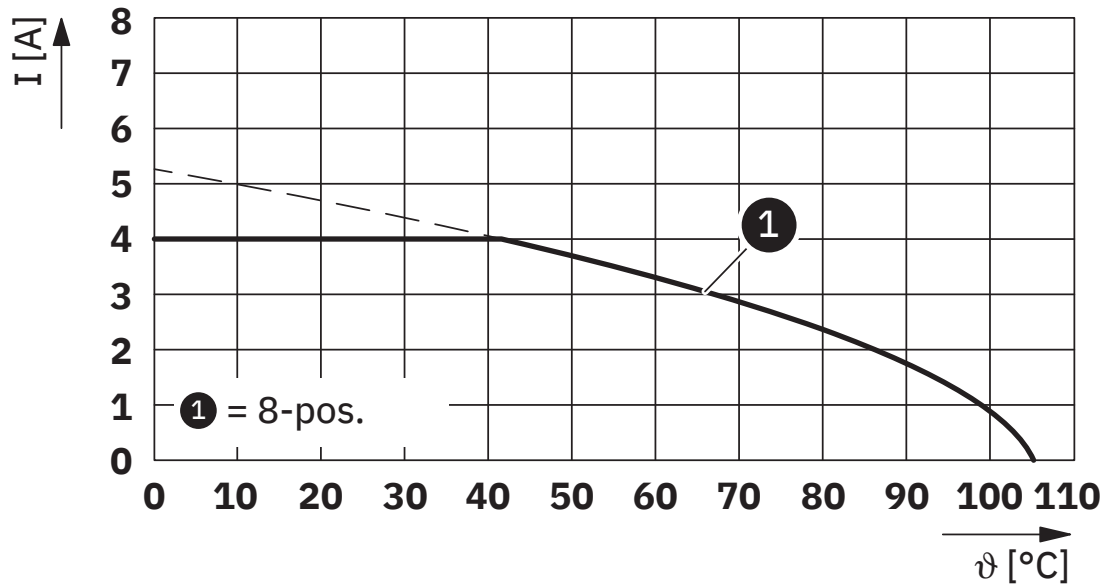


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Drawings

Diagram



Type: ME-IO-S BUS8

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Classifications

ECLASS

ECLASS-13.0	27460202
ECLASS-15.0	27460202

ETIM

ETIM 10.0	EC002638
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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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