

ME-IO-S BUS8-9005 - Bus connector



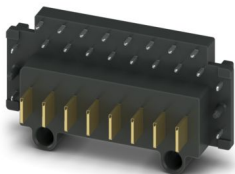
1569885

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

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.



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

ME-IO-S BUS8-9005 - Bus connector



1569885

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

Technical data

Notes

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

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)
-----------------	--------------

ME-IO-S BUS8-9005 - Bus connector



1569885

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

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
-----------------------------	-------

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

ME-IO-S BUS8-9005 - Bus connector



1569885

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

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 m Ω
Contact resistance R_2	3.5 m Ω
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)

Ambient conditions

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

Mounting

Mounting type	THR solder connection
Pin layout	Linear pinning

ME-IO-S BUS8-9005 - Bus connector



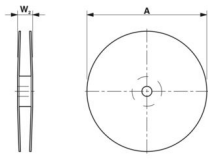
1569885

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

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

ME-IO-S BUS8-9005 - Bus connector

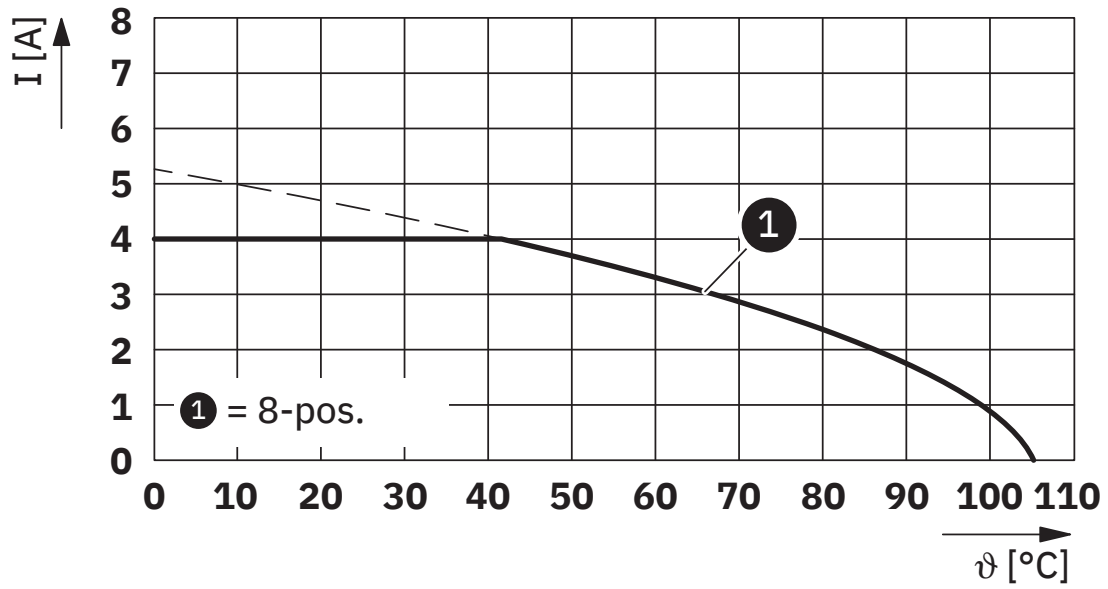


1569885

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

Drawings

Diagram



Type: ME-IO-S BUS8

ME-IO-S BUS8-9005 - Bus connector



1569885

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

Classifications

ECLASS

ECLASS-13.0	27460202
ECLASS-15.0	27460202

ETIM

ETIM 10.0	EC002638
-----------	----------

ME-IO-S BUS8-9005 - Bus connector



1569885

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

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 2026 © - 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