

2202403

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DIN rail connector, color: light grey, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-18,8..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

Your advantages

- · Space-saving installation under the housing in the DIN rail
- · Contact design enables electronics modules to be easily snapped on
- · Power supply and communication without additional wiring
- Parallel and serial contacts for efficient signal and data transmission
- · Fast module-to-module communication without additional wiring effort
- Efficient connection between the individual housings of the ICS and ME-IO series

Commercial data

Item number	2202403
Packing unit	30 pc
Minimum order quantity	30 pc
Sales key	AC15
Product key	ACHEDA
GTIN	4055626116242
Weight per piece (including packing)	5.06 g
Weight per piece (excluding packing)	5.06 g
Customs tariff number	85366990
Country of origin	PL



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Technical data

Notes

	Recommendation	Material of contact pads for bus connector, galvanic gold (hard gold)	
Product properties			
	Product type	DIN rail connector	
	Product family	TBUS8-18,8	
	Number of positions	8	
	Pitch	2.54 mm	

Electrical properties

Nominal current I _N	6 A (parallel contacts)
Nominal voltage U _N	32 V
Contact resistance	5.97 mΩ
Rated voltage (III/3)	32 V
Rated surge voltage (III/3)	1.5 kV
Rated voltage (III/2)	32 V
Rated surge voltage (III/2)	1.5 kV
Rated voltage (II/2)	32 V
Rated surge voltage (II/2)	1.5 kV

Material specifications

Material data - contact Contact material

Material data - housing		
light grey (7035)		
PA		
1		
600		
V0		

Cu alloy

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Color ()	()
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Dimensions

Pitch	2.54 mm
Width [w]	23.2 mm
Height [h]	37.15 mm
Length [I]	16.3 mm

Mounting



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DIN rail mounting
Test passed
25
2.8 N
2.5 N
IEC 60512-15-1:2008-05
Test passed
IEC 60512-13-5:2006-02
Test passed
IEC 60512-1-1:2002-02
Test passed
IEC 60512-1-2:2002-02
Test passed
IEC 60068-2-6:2007-12
10 - 150 - 10 Hz
1 octave/min
0.35 mm (10 Hz 60.1 Hz)
5g (60.1 Hz 500 Hz)
2.5 h
IEC 60512-9-1:2010-03
1.75 kV
5.97 mΩ
V.V1 11144
5.91 mO
5.91 mΩ 25
25
DIN 50018:2013-05
25



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Power-frequency withstand voltage	0.84 kV
ow-wire test	
Specification	IEC 60695-2-10:2013-04
Temperature	850 °C
Time of exposure	30 s
hocks	
Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	15g
Shock duration	11 ms
Test directions	X-, Y- and Z-axis (pos. and neg.)
mbient conditions	
Ambient temperature (operation)	-40 °C 105 °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

Electrical tests

Thermal test	Test group	С
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Specification	IEC 60512-5-1:2002-02
Tested number of positions	8

Air clearances and creepage distances

Air clearances and creepage distances		
Specification	IEC 60664-1:2007-04	
Insulating material group	I	
Comparative tracking index (IEC 60112)	CTI 600	
Rated insulation voltage (III/3)	32 V	
Rated surge voltage (III/3)	1.5 kV	
minimum clearance value - non-homogenous field (III/3)	0.8 mm	
minimum creepage distance (III/3)	1.3 mm	
Rated insulation voltage (III/2)	32 V	
Rated surge voltage (III/2)	1.5 kV	
minimum clearance value - non-homogenous field (III/2)	0.5 mm	
minimum creepage distance (III/2)	0.53 mm	
Rated insulation voltage (II/2)	32 V	
Rated surge voltage (II/2)	1.5 kV	
minimum clearance value - non-homogenous field (II/2)	0.5 mm	
minimum creepage distance (II/2)	0.53 mm	

Packaging specifications

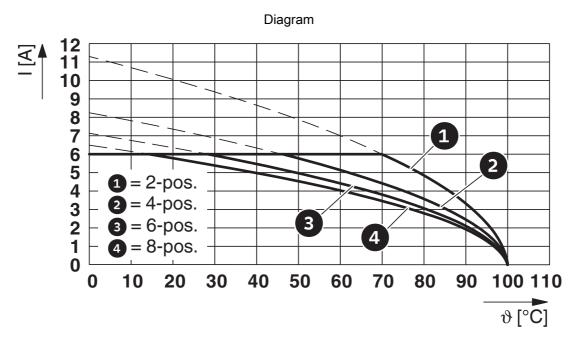
Type of packaging	packed in cardboard
Outer packaging type	Carton



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Drawings



Type: TBUS8-... with FMC 0,5/...-ST-2,54



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2202403

CUL Recognized Approval ID: E118976-20151204					
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power		29.9 V	4 A	-	-
Signal		29.9 V	4 A	-	-

UL Recognized Approval ID: E118976-20151204				
	Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
Power	29.9 V	6 A	-	-
Signal	29.9 V	4 A	-	-

VDE Zeichengene Approval ID: 40050612	VDE Zeichengenehmigung Approval ID: 40050612				
	Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²	
Power	32 V	6 A	-	-	
Signal	32 V	4 A	-	-	

cULus Recognized



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Classifications

UNSPSC 21.0

ECLASS

ECLASS-11.0	27460201
ECLASS-12.0	27460201
ECLASS-13.0	27460201
ETIM	
ETIM 9.0	EC002637
UNSPSC	

39121400



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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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Accessories

FMC 0,5/8-ST-2,54 - PCB connectors

1821151

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PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Gold, contact connection type: Socket, number of potentials: 8, number of rows: 1, number of positions: 8, number of connections: 8, product range: FMC 0,5/..-ST, pitch: 2.54 mm, connection method: Push-in spring connection, conductor/PCB connection direction: 0 °, plug-in system: COMBICON FMC 0,5, locking: without, mounting: without, type of packaging: packed in cardboard

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