

1174596

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DIN rail connector, color: black, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-25..., 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, 4 parallel contacts/4 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	1174596
Packing unit	10 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	AC09
Product key	ACHAGA
GTIN	4063151225964
Weight per piece (including packing)	7.3 g
Weight per piece (excluding packing)	6 g
Customs tariff number	85366990
Country of origin	PL



1174596

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Technical data

Notes

	Recommendation	Material of contact pads for bus connector, galvanic gold (hard gold)
Pr	oduct properties	
	Product type	DIN rail connector
	Product family	TBUS8-25
	Number of positions	8
	Pitch	2.54 mm
	Data management status	
	Article revision	03

Electrical properties

Nominal current I _N	6 A (parallel contacts)
Nominal voltage U _N	32 V
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	Cu alloy
Surface characteristics	gold-plated

Material data - housing

Color (Housing)	black (9005)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0

material specifications - connector

Color ()		()

Dimensions

Pitch	2.54 mm
Width [w]	29.3 mm
Height [h]	37.15 mm
Length [I]	16.3 mm

Mounting



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Mounting type	DIN rail mounting			
Environmental and real-life conditions				
Ambient conditions				
Ambient conditions Ambient temperature (operation)	-40 °C 105 °C (dependent on the derating curve)			
	-40 °C 105 °C (dependent on the derating curve)			

-5 °C ... 100 °C

Electrical tests

Air clearances and creepage distances |

Ambient temperature (assembly)

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Specification	IEC 60664-1:2007-04
Insulating material group	I
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



1174596

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Approvals

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. 71	cUL Recognized Approval ID: E118976-20	151204			
		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: E118976-2	0151204			
	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	-	-

cULus Recognized



1174596

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Classifications

UNSPSC 21.0

ECLASS

202.00			
	ECLASS-11.0	27460201	
	ECLASS-12.0	27460201	
	ECLASS-13.0	27460201	
ETIM			
	ETIM 9.0	EC002637	
UNSPSC			

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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%		



1174596

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Accessories

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

1821151

https://www.phoenixcontact.com/us/products/1821151



PCB connector, nominal cross section: 0.5 mm², color: black, nominal current: 6 A, rated voltage (III/2): 160 V, contact surface: Au, 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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