TBUS8-25,0-PPPPSSSS-9005 - DIN rail bus connectors

1174596

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

Technical data

Notes

Recommendation	Material of contact pads for bus connector, galvanic gold (hard gold)

Product properties

Product type	DIN rail connector
Product family	TBUS8-25..
Number of positions	8
Pitch	2.54 mm

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 [l]	16.3 mm

Mounting

Mounting type	DIN rail mounting

Environmental and real-life conditions

Ambient 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

Air clearances and creepage distances |

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1174596

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	-	-

cULus Recognized

Classifications

ECLASS

ECLASS-11.0	27460201
ECLASS-12.0	27460201
ECLASS-13.0	27460201

ETIM

ETIM 9.0	EC002637

UNSPSC

UNSPSC 21.0	39121400

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

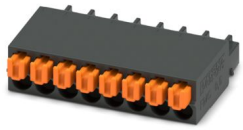
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

Accessories

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

1821151

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



PCB connector, nominal cross section: 0.5 mm^2, 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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