

2202889

https://www.phoenixcontact.com/us/products/2202889

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DIN rail connector, color: light grey, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-20.., 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, 8 parallel 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

#### Commercial data

Item number	2202889
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHAGA
GTIN	4055626382135
Weight per piece (including packing)	5.9 g
Weight per piece (excluding packing)	4.53 g
Customs tariff number	85366990
Country of origin	PL



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

2202889

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### Technical data

#### Notes

		gold)			
Pr	Product properties				
	Product type	DIN rail connector			
	Product family	TBUS8-20			
	Number of positions	8			
	Pitch	2.54 mm			

### Electrical properties

Recommendation

Nominal current I <sub>N</sub>	6 A (parallel contacts)
Nominal voltage U <sub>N</sub>	32 V
Degree of pollution	3
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

#### Connection data

Maximum load current	6 A

#### Material specifications

#### Material data - contact

Contact material	Cu alloy
Surface characteristics	gold-plated

### Material data - housing

Color (Housing)	light grey (7035)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0

#### Material specifications - connector

Color ()	()
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#### **Dimensions**

Pitch	2.54 mm
Width [w]	24.3 mm
Height [h]	37.15 mm



2202889

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Length [I]	16.3 mm			
ounting				
Mounting type	DIN rail mounting			
nbient conditions	-40 °C 105 °C (dependent on the derating curve)			
	-40 °C 105 °C (dependent on the derating curve) -40 °C 55 °C			
, ,	<u> </u>			

#### Electrical tests

#### 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



2202889

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## **Approvals**

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2202889

cUL Recognized Approval ID: E118976-20151204				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Power	29.9 V	4 A	-	-
Signal	29.9 V	4 A	-	-

UL Recognized Approval ID: E118976-20151204					
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>	
Power	29.9 V	6 A	-	-	
Signal	29.9 V	4 A	-	-	

VDE Zeichengenehmigung Approval ID: 40050612				
	Nominal voltage U <sub>N</sub>	Nominal current I <sub>N</sub>	Cross section AWG	Cross section mm <sup>2</sup>
Power	32 V	6 A	-	-
Signal	32 V	4 A	-	-

cULus Recognized



2202889

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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



2202889

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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

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: 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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