

## DIN rail bus connectors - TBUS8-20,0-PPPPPPPP-7035 - 2202889

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




DIN rail connector, nominal current: 6 A, rated voltage (III/2): 32 V, number of positions: 8, pitch: 2.54 mm, color: light gray, mounting: DIN rail, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

### Your advantages

- ✓ Space-saving DIN rail mounting
- ✓ 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



### Key Commercial Data

Packing unit	10 pc
Minimum order quantity	10 pc
GTIN	 4 055626 382135
GTIN	4055626382135

### Technical data

#### Item properties

Brief article description	DIN rail bus connectors
Range of articles	TBUS8..2,54
Pitch	2.54 mm
Number of positions	8
Mounting type	DIN rail

#### Electrical parameters

Nominal current $I_N$	6 A (parallel contacts)
Nom. voltage	32 V
Rated voltage (III/2)	32 V
Rated voltage (II/2)	32 V
Rated surge voltage (III/2)	1.5 kV

# DIN rail bus connectors - TBUS8-20,0-PPPPPPP-7035 - 2202889

## Technical data

### Electrical parameters

Rated surge voltage (II/2)	1.5 kV
----------------------------	--------

### Material data - contact

Contact material	Cu alloy
Surface characteristics	Completely gold-plated

### Material data - housing

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

### Dimensions for the product

Length [ l ]	16.3 mm
Width [ w ]	24.3 mm
Height [ h ]	37.15 mm
Pitch	2.54 mm

### PCB specifications

PCB thickness	1.4 mm ... 1.8 mm
---------------	-------------------

### Packaging information

Type of packaging	packed in cardboard
Pieces per package	10
Denomination packing units	Pcs.
Outer packaging type	Carton

### General product information

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

### Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 55 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C ... 105 °C (dependent on the derating curve)
Relative humidity (storage/transport)	80 %

### Current carrying capacity / derating curves

Caption	Type: TBUS8-18,8-...
Specification	IEC 61984:2008-10
Reduction factor	0.9
Note	Representation based on IEC 60512-5-2:2002-02

### Mechanical strength/tumbling barrel

Height of fall	50 cm
----------------	-------

# DIN rail bus connectors - TBUS8-20,0-PPPPPPP-7035 - 2202889

## Technical data

### Vibration test

Test directions	X-, Y- and Z-axis (pos. and neg.)
-----------------	-----------------------------------

Test for substances that would hinder coating with paint or varnish

Specification	VW PV 3.10.7:2005-02
---------------	----------------------

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Classifications

### eCl@ss

eCl@ss 10.0.1	27440402
eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440402
eCl@ss 9.0	27440402

### ETIM

ETIM 5.0	EC002637
ETIM 6.0	EC002638
ETIM 7.0	EC002638

## Approvals

### Approvals

#### Approvals

UL Recognized / cUL Recognized / EAC / IECCE CB Scheme / VDE Zeichengenehmigung / cULus Recognized

#### Ex Approvals

### Approval details

# DIN rail bus connectors - TBUS8-20,0-PPPPPPP-7035 - 2202889

## Approvals

UL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976-20151204
Nominal voltage UN	29.9 V		
Nominal current IN	6 A		

cUL Recognized		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	E118976-20151204
Nominal voltage UN	29.9 V		
Nominal current IN	4 A		

EAC		B.01687	
-----	--	---------	--

IECEE CB Scheme		<a href="http://www.iecee.org/">http://www.iecee.org/</a>	DE1-62506
Nominal voltage UN	32 V		
Nominal current IN	6 A		

VDE Zeichengenehmigung		<a href="http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx">http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx</a>	40050612
Nominal voltage UN	32 V		
Nominal current IN	6 A		

cULus Recognized			
------------------	--	--	--

## Accessories

### Additional products

## DIN rail bus connectors - TBUS8-20,0-PPPPPPPP-7035 - 2202889

### Accessories

Printed-circuit board connector - FMC 0,5/ 8-ST-2,54 - 1821151

PCB connector, nominal current: 6 A, rated voltage (III/2): 160 V, nominal cross section: 0.5 mm<sup>2</sup>, number of positions: 8, pitch: 2.54 mm, connection method: Push-in spring connection, color: black, contact surface: Gold



---

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Phoenix Contact:](#)

[2202889](#)