

## DIN rail bus connectors - TBUS8-18,8-PPPPPPP-7035 - 2202396

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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	30 pc
Minimum order quantity	30 pc
GTIN	 4 055626 115078
GTIN	4055626115078

### 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

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## Technical data

### Electrical parameters

Rated surge voltage (II/2)	1.5 kV
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### 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 ]	23.2 mm
Height [ h ]	37.15 mm
Pitch	2.54 mm

### PCB specifications

PCB thickness	1.4 mm ... 1.8 mm
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### Packaging information

Type of packaging	packed in cardboard
Pieces per package	30
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
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### Vibration test

Test directions	X-, Y- and Z-axis (pos. and neg.)
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Test for substances that would hinder coating with paint or varnish

Specification	VW PV 3.10.7:2005-02
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### 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

### UNSPSC

UNSPSC 13.2	39121409
UNSPSC 18.0	39121409
UNSPSC 19.0	39121409
UNSPSC 20.0	39121409
UNSPSC 21.0	39121409

## Approvals

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


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## Approvals


Ex Approvals


### Approval details

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
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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	
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## DIN rail bus connectors - TBUS8-18,8-PPPPPPP-7035 - 2202396

### Accessories

#### Additional products

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



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