

DIN rail bus connectors - ME 17,5 TBUS 1,5/ 5-ST-3,81 GN - 2709561

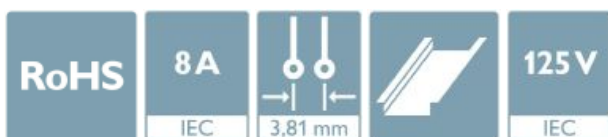
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DIN rail connector for DIN rail mounting. Universal for TBUS housing. Gold-plated contacts, 5-pos.

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



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 892654
GTIN	4017918892654

Technical data

Item properties

Brief article description	DIN rail bus connectors
Range of articles	TBUS5..3,81
Pitch	3.81 mm
Number of positions	5
Mounting type	DIN rail mounting

Electrical parameters

Nominal current I_N	8 A (parallel contacts)
Nom. voltage	125 V
Rated voltage (III/2)	125 V
Rated voltage (II/2)	320 V
Rated surge voltage (III/3)	2.5 kV

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Electrical parameters

Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV

Material data - contact

Contact material	Cu alloy
Surface characteristics	Completely gold-plated

Material data - housing

Housing color	green (6021)
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]	20.45 mm
Width [w]	24.2 mm
Height [h]	36.3 mm
Pitch	3.81 mm

Dimensions for PCB design

PCB thickness	1.4 mm ... 1.8 mm
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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 %

Air clearances and creepage distances

Clearances and creepage distances	IEC 60664-1:2007-04
Specification	IEC 60664-1:2007-04
Minimum clearance - inhomogeneous field (III/3)	1.5 mm
Minimum clearance - inhomogeneous field (III/2)	1.5 mm
Minimum clearance - inhomogeneous field (II/2)	1.5 mm

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Air clearances and creepage distances

Minimum creepage distance value (III/3)	1.9 mm
Minimum creepage distance value (III/2)	0.75 mm
Minimum creepage distance value (II/2)	1.6 mm

Standards and Regulations

Connection in acc. with standard	CUL
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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 11.0	27460201
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 2.0	EC001031
ETIM 3.0	EC001031
ETIM 4.0	EC002638
ETIM 5.0	EC002637
ETIM 6.0	EC002584
ETIM 7.0	EC002584

UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501
UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121409
UNSPSC 18.0	39121552
UNSPSC 19.0	39121552
UNSPSC 20.0	39121552

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Classifications

UNSPSC

UNSPSC 21.0	39121552
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Approvals

Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E118976-20151204
Nominal voltage UN		150 V
Nominal current IN		8 A

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm E118976-20151204
Nominal voltage UN		150 V
Nominal current IN		6 A

EAC		B.01687
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cULus Recognized		
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