

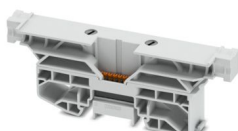
TBUS8-SPL-KIT-7035 - DIN rail bus connector



1488805

<https://www.phoenixcontact.com/us/products/1488805>

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DIN rail bus connector, nominal cross section: 0.5 mm², color: light gray, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, contact surface: Au, contact connection type: Socket, number of potentials: 8, number of positions: 8, number of connections: 8, product range: TBUS8..2,54, pitch: 2.54 mm, connection method: Push-in spring connection, mounting: DIN rail mounting, conductor/PCB connection direction: 0 °, locking: Snap-in locking, mounting method: without, type of packaging: packed in cardboard, Integrated end bracket function

Your advantages

- Input and output of the 8-position bus connection in the module network with ME-IO and ICS housings
- Optimum use of space with orderly cable routing
- Easy marking with a large printing area
- Secure module fixing thanks to integrated end bracket function

Commercial data

Item number	1488805
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	AC09
Product key	ACHEDA
GTIN	4063151980719
Weight per piece (including packing)	40.3 g
Weight per piece (excluding packing)	31.44 g
Customs tariff number	85366990
Country of origin	PL

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Technical data

Product properties

Product type	DIN rail bus connector
Product family	TBUS8..2,54
Number of positions	8
Pitch	2.54 mm
Number of connections	8
Number of potentials	8
Mounting type	without

Electrical properties

Properties

Nominal current I_N	6 A (parallel contacts)
Nominal voltage U_N	32 V
Contact resistance	4.5 mΩ
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

Connection method	Push-in spring connection
Stripping length	7 mm

Material specifications

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	gold-plated
Metal surface terminal point (top layer)	Tin (Sn)
Metal surface terminal point (middle layer)	Nickel (Ni)
Metal surface contact area (top layer)	Gold (Au)
Metal surface contact area (middle layer)	Nickel (Ni)

Material data - housing

Color (Housing)	light gray (7035)
Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600

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Flammability rating according to UL 94	V0
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material specifications - connector

Color (Male connector)	black (9005)
Insulating material	LCP
Insulating material group	IIIa
CTI according to IEC 60112	175
Flammability rating according to UL 94	V0

Material data – actuating element

Color (Actuating element)	orange (2003)
Insulating material	LCP
Insulating material group	IIIa
CTI according to IEC 60112	175
Flammability rating according to UL 94	V0

Dimensions

Pitch	2.54 mm
Width [w]	18.9 mm
Height [h]	116.6 mm
Length [l]	42.4 mm

Mounting

Mounting type	DIN rail mounting
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Mechanical tests

Insertion and withdrawal forces

Result	Test passed
No. of cycles	25
Insertion strength per pos. approx.	2.6 N
Withdraw strength per pos. approx.	1.6 N

Environmental and real-life conditions

Vibration test

Specification	IEC 60068-2-6:2007-12
Frequency	10 - 150 - 10 Hz
Sweep speed	1 octave/min
Amplitude	0.35 mm (10 Hz ... 60.1 Hz)
Acceleration	50 m/s ² (60.1 Hz ... 150 Hz)
Test duration per axis	2.5 h
Test directions	X-, Y- and Z-axis

Durability test

Specification	IEC 60512-9-1:2010-03
Impulse withstand voltage at sea level	1.75 kV

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Contact resistance R_1	4.5 m Ω
Contact resistance R_2	4.6 m Ω
Insertion/withdrawal cycles	25
Insulation resistance, neighboring positions	> 5 M Ω

Climatic test

Specification	IEC 61984:2008-10
Corrosive stress	0.2 dm ³ SO ₂ on 300 dm ³ /40 °C/1 cycle
Thermal stress	105 °C/168 h
Power-frequency withstand voltage	0.84 kV

Shocks

Specification	IEC 60068-2-27:2008-02
Pulse shape	Semi-sinusoidal
Acceleration	30g
Shock duration	18 ms
Test directions	X-, Y- and Z-axis (pos. and neg.)

Ambient conditions

Ambient temperature (operation)	-40 °C ... 100 °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

Thermal test | Test group C

Specification	IEC 60512-5-1:2002-02
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Insulation resistance

Specification	IEC 60512-3-1:2002-02
Insulation resistance, neighboring positions	> 5 M Ω

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

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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

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Classifications

ECLASS

ECLASS-13.0	27460201
ECLASS-15.0	27460201

ETIM

ETIM 9.0	EC002637
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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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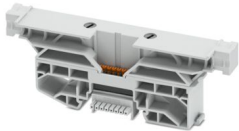
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Accessories

TBUS8-TAP-KIT-7035 - DIN rail bus connector

1488806

<https://www.phoenixcontact.com/us/products/1488806>



DIN rail bus connector, nominal cross section: 0.5 mm², color: light gray, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, contact surface: Au, contact connection type: Socket, number of potentials: 8, number of positions: 8, number of connections: 8, product range: TBUS8..2,54, pitch: 2.54 mm, connection method: Push-in spring connection, mounting: DIN rail mounting, conductor/PCB connection direction: 0 °, locking: Snap-in locking, mounting method: without, type of packaging: packed in cardboard, Integrated end bracket function

TBUS8-18,8-BRIDGE-7035 - DIN rail bus connector

1387014

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DIN rail bus adapter for ME-IO, overall width: 18.8 mm, 8 parallel positions, color: light grey (similar to RAL 7035)

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TBUS8-20-BRIDGE-7035 - DIN rail bus connector

1387011

<https://www.phoenixcontact.com/us/products/1387011>

DIN rail bus adapter for ICS, overall width: 20 mm, 8 parallel positions, color: light grey (similar to RAL 7035)



TBUS8-25-BRIDGE-7035 - DIN rail bus connector

1387008

<https://www.phoenixcontact.com/us/products/1387008>

DIN rail bus adapter for ICS, overall width: 25 mm, 8 parallel positions, color: light grey (similar to RAL 7035)



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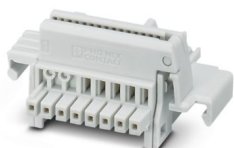
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TBUS8-18,8-PPPPPPPP-7035 - DIN rail bus connector

2202396

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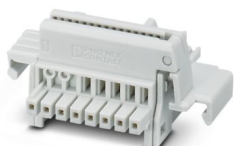


DIN rail bus connector, color: light gray, nominal current: 6 A (parallel contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-18,8..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

TBUS8-18,8-PPPPPPPS-7035 - DIN rail bus connector

2202399

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DIN rail bus connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-18,8..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 7 parallel contacts/1 serial contact

TBUS8-SPL-KIT-7035 - DIN rail bus connector

1488805

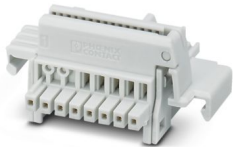
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TBUS8-18,8-PPPPPPSS-7035 - DIN rail bus connector

2202403

<https://www.phoenixcontact.com/us/products/2202403>

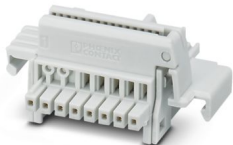


DIN rail bus connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-18,8..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

TBUS8-18,8-PPPPSSSS-7035 - DIN rail bus connector

1140958

<https://www.phoenixcontact.com/us/products/1140958>



DIN rail bus connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-18,8..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting method: 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

TBUS8-SPL-KIT-7035 - DIN rail bus connector

1488805

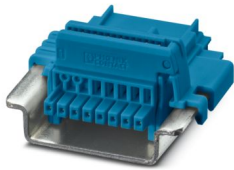
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TBUS8-25,0-PPPPPPPP-5015 - DIN rail bus connector

1071426

<https://www.phoenixcontact.com/us/products/1071426>



DIN rail bus connector, color: blue, nominal current: 6 A (parallel 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 method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

TBUS8-25,0-PPPPPPPP-9005 - DIN rail bus connector

1072478

<https://www.phoenixcontact.com/us/products/1072478>



DIN rail bus connector, color: black, nominal current: 6 A (parallel 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 method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

TBUS8-SPL-KIT-7035 - DIN rail bus connector

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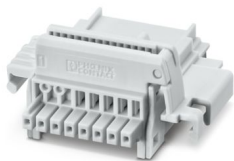
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TBUS8-25,0-PPPPSSSS-7035 - DIN rail bus connector

1156781

<https://www.phoenixcontact.com/us/products/1156781>



DIN rail bus connector, color: light gray, 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 method: 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

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

1174596

<https://www.phoenixcontact.com/us/products/1174596>



DIN rail bus 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 method: 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

TBUS8-SPL-KIT-7035 - DIN rail bus connector

1488805

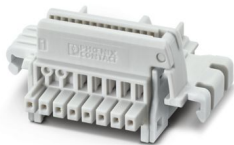
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TBUS8-20,0-PPPPPPPP-7035 - DIN rail bus connector

2202889

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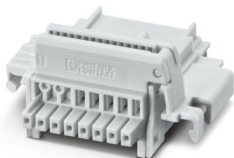


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TBUS8-25,0-PPPPPPPS-7035 - DIN rail bus connector

2202890

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DIN rail bus connector, color: light gray, 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 method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 7 parallel contacts/1 serial contact

TBUS8-SPL-KIT-7035 - DIN rail bus connector

1488805

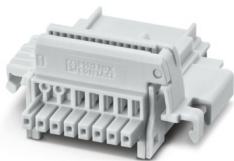
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TBUS8-25,0-PPPPPPPP-7035 - DIN rail bus connector

2202891

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DIN rail bus connector, color: light gray, nominal current: 6 A (parallel 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 method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 8 parallel contacts

TBUS8-20,0-PPPPPPSS-7035 - DIN rail bus connector

2202892

<https://www.phoenixcontact.com/us/products/2202892>



DIN rail bus connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial 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 method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

TBUS8-SPL-KIT-7035 - DIN rail bus connector

1488805

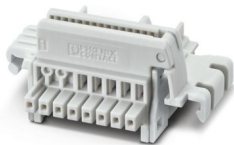
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TBUS8-20,0-PPPPPPPS-7035 - DIN rail bus connector

2202894

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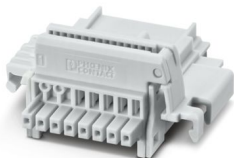


DIN rail bus connector, color: light gray, nominal current: 6 A, 4 A (parallel contacts) (Serial contacts), rated voltage (III/2): 32 V, number of positions: 8, product range: TBUS8-20..., pitch: 2.54 mm, mounting: DIN rail mounting, locking: without, mounting method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 7 parallel contacts/1 serial contact

TBUS8-25,0-PPPPPPSS-7035 - DIN rail bus connector

2202895

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DIN rail bus connector, color: light gray, 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 method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts/2 serial contacts

TBUS8-SPL-KIT-7035 - DIN rail bus connector

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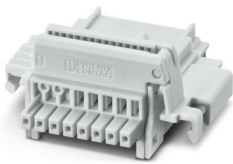
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TBUS8-25,0-PPP00PPP-7035 - DIN rail bus connector

1398849

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DIN rail bus connector, color: light gray, nominal current: 6 A (parallel 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 method: without, type of packaging: packed in cardboard, Item with gold-plated contacts, bus connectors for connecting with electronics housings, 6 parallel contacts

NS 35/ 7,5 UNPERF 2000MM - DIN rail, unperforated

0801681

<https://www.phoenixcontact.com/us/products/0801681>



DIN rail, unperforated, Pack of 25 (50 m), acc. to EN 60715, material: Steel, galvanized, passivated with a thick layer, Standard profile, color: silver-colored

TBUS8-SPL-KIT-7035 - DIN rail bus connector

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WT-HF 2,5X98 - Cable tie

3240732

<https://www.phoenixcontact.com/us/products/3240732>

Cable binders for quick and secure bundling, standard version



SZS 0,6X3,5 VDE - Screwdriver

1212602

<https://www.phoenixcontact.com/us/products/1212602>

Screwdriver, slot-headed, VDE insulated, size: 0.6 x 3.5 x 100 mm, 2-component grip, with non-slip grip



TBUS8-SPL-KIT-7035 - DIN rail bus connector

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SZS 0,4X2,0 - Screwdriver

1205202

<https://www.phoenixcontact.com/us/products/1205202>

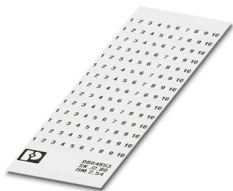


Micro screwdriver, bladed, size: 0.4 x 2.0 x 60 mm, 2-component grip, with non-slip grip and twist cap

SK 2,54/2,8:FORTL.ZAHLEN - Marker card

0804853

<https://www.phoenixcontact.com/us/products/0804853>



Marker card, Sheet, white, labeled, horizontal: consecutive numbers 1 ... 10, 11 .. 20, etc. up to 91 ... 99, mounting type: adhesive, for terminal block width: 2.54 mm, Number of individual labels: 14, text field height: 2.8 mm, text field width: 2.54 mm

TBUS8-SPL-KIT-7035 - DIN rail bus connector



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A 0,34- 7 - Ferrule

3009202

<https://www.phoenixcontact.com/us/products/3009202>



Ferrule, Length contact range: 7 mm, sleeve length: 7 mm, color: silver-colored

UNIFOX-CT 4,8P - Cable tie tool

1212609

<https://www.phoenixcontact.com/us/products/1212609>



Cable binder pliers, for plastic cable binders with a width of 2.2 - 4.8 mm, for a material thickness of up to 1.6 mm

TBUS8-SPL-KIT-7035 - DIN rail bus connector

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CRIMPFOX 6 - Crimping pliers

1212034

<https://www.phoenixcontact.com/us/products/1212034>



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

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