

# TC-2D37SUB-ADIO32-2EX-P-UNI - Module carrier



2904684

<https://www.phoenixcontact.com/us/products/2904684>

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Universal Termination Carrier for connecting 16 two-channel MACX Analog Ex i signal conditioners to digital or analog I/O cards, via two D-SUB connectors, 37-pos. (1:1 connection)

## Your advantages

- Mechanically decoupled, passive PCB
- Robust aluminum profile with integrated DIN rail
- Side parts with integrated end clamps
- System connection via two D-SUB pin strips, 37-pos. (1:1 connection)
- Simple or redundant supply (decoupled from diode, protected against polarity reversal) and monitoring function implemented via separate DIN rail module
- Cable sets for signal connection are supplied as standard and do not have to be ordered separately

## Commercial data

Item number	2904684
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C420
Product key	CK271W
Catalog page	Page 171 (C-5-2019)
GTIN	4046356879651
Weight per piece (including packing)	333.33 g
Weight per piece (excluding packing)	333.33 g
Customs tariff number	85366990
Country of origin	DE

# TC-2D37SUB-ADIO32-2EX-P-UNI - Module carrier



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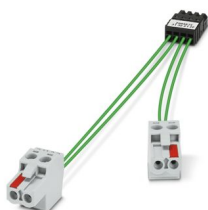
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## Set consists of

### TC-C-MAX2-SC-31322122 - Cable set

2904674

<https://www.phoenixcontact.com/us/products/2904674>



Cable set for signal transmission on the Termination Carrier for two-channel modules or modules with double output from the MACX Analog Ex series. Connection of terminal points 3.1 and 3.2 as well as 2.1 and 2.2 (signal transmission) to the signal PCB.

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### TC-C-PTB3-SC-SET1 - Cable set

2905216

<https://www.phoenixcontact.com/us/products/2905216>



Cable set for TC-MACX-MCR-PTB power and fault signaling module (Item No. 2904673), for use on the Termination Carrier for signal conditioners from the MACX Analog Ex series.

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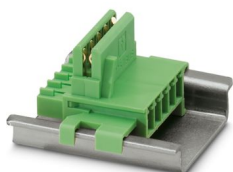
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## ME 17,5 TBUS 1,5/ 5-ST-3,81 GN - DIN rail bus connectors

2709561

<https://www.phoenixcontact.com/us/products/2709561>



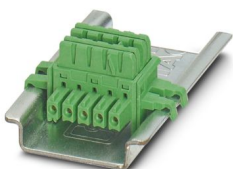
DIN rail connector for DIN rail mounting. Universal for TBUS housing. Gold-plated contacts, 5-pos.

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## ME 6,2 TBUS-2 1,5/5-ST-3,81 GN - DIN rail bus connectors

2869728

<https://www.phoenixcontact.com/us/products/2869728>



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

## Technical data

### Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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### Product properties

Product type	Module carrier
Insulation characteristics: Air clearances and creepage distances	
Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Max. permissible current	1 A (Signal/channel)
Nominal voltage $U_N$	< 30 V DC (Per signal/channel)
Air clearances and creepage distances	
Rated insulation voltage	50 V
Rated surge voltage	0.5 kV
Supported controller universal	
Suitable I/O card	universal

### Supply

Designation	Feed-in module
Note	Power supply via 2904673 TC-MACX-MCR-PTB power supply and error signaling module.
Fuse	2x 2.5 A on PCB, slow-blow (replaceable)
Input voltage	24 V DC
Input voltage range	19.2 V DC ... 30 V DC
Input current	≤ 2 A
Redundant supply	yes, decoupled from diodes
Polarization and surge protection	Yes
Output name	Switching output
Contact switching type	1 N/C contact (alarm = open)
Maximum switching voltage	50 V DC (0.3 A)
	30 V DC (2 A)
	33 V AC (2 A)

### Connection data

#### Power supply

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Connection method	Screw connection
Stripping length	7 mm
Number of connections	1
Number of positions	6
Conductor cross section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

## Controller level

Connection method	D-SUB pin strip
Number of connections	2
Number of positions	37

## Signaling

Status display	1 x red LED (error)
	2x green LEDs (PWR1 and PWR2)

## Dimensions

Width	242 mm
Height	170 mm
Depth	159.5 mm

## Material specifications

Flammability rating according to UL 94	V0
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-20 °C ... 60 °C (Please observe module specifications)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	2g, according to IEC 60068-2-6

## Approvals

### UL, USA/Canada

Identification	UL 61010 Listed
	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, Group IIC

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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## Mounting


Mounting type	DIN rail mounting
Assembly note	No end clamp
Mounting position	vertical, horizontal


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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2904684>

 <b>UL Listed</b> Approval ID: FILE E 330267				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	50 V	1 A	-	-

 <b>cUL Listed</b> Approval ID: FILE E 330267				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	50 V	1 A	-	-

 <b>cUL Listed</b> Approval ID: E199827				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	50 V	1 A	-	-

 <b>UL Listed</b> Approval ID: E199827				
	Nominal voltage $U_N$	Nominal current $I_N$	Cross section AWG	Cross section $mm^2$
	50 V	1 A	-	-

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## Classifications

### ECLASS

ECLASS-11.0	27141152
ECLASS-13.0	27141152
ECLASS-12.0	27141152

### ETIM

ETIM 9.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	57c2d668-1949-497c-9135-aba9ae854ca8

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