

TC-D37SUB-ADIO16-M-P-UNI - Module carrier



2902933

<https://www.phoenixcontact.com/us/products/2902933>

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 documentation. Our general terms of use for downloads are valid.



Universal termination carrier for connecting 16 MINI Analog signal conditioners to digital or analog I/O cards, via D-SUB connector, 37-pos. (1:1 connection)

Your advantages

- Mechanically decoupled, passive PCB
- Robust aluminum profile with integrated DIN rail
- Side parts with integrated end clamps
- D-SUB pin strip system connection, 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	2902933
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C420
Product key	DK273C
GTIN	4046356697996
Weight per piece (including packing)	1,170 g
Weight per piece (excluding packing)	1,170 g
Customs tariff number	85366990
Country of origin	DE

TC-D37SUB-ADIO16-M-P-UNI - Module carrier



2902933

<https://www.phoenixcontact.com/us/products/2902933>

Set consists of

TC-C-2MIN-AI-05061516 - Cable set

2905224

<https://www.phoenixcontact.com/us/products/2905224>



Cable set for signal transmission on the termination carrier for modules from the MINI Analog series. Connection of terminal points 5 and 6 of two adjacent MINI Analog modules to the signal PCB via a 4-pos. PTSM connector.

TC-C-PTB1-AI-SET1 - Cable set

2905217

<https://www.phoenixcontact.com/us/products/2905217>



Cable set for MINI MCR-SL-PTB-FM power module (Item No. 2902958) and MINI MCR-SL-FM-RC-NC error message module (Item No. 2902961), for use on the termination carrier for modules from the MINI Analog series.

TC-D37SUB-ADIO16-M-P-UNI - Module carrier

2902933

<https://www.phoenixcontact.com/us/products/2902933>

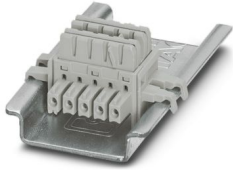


ME 6,2 TBUS-2 1,5/5-ST-3,81 GY - DIN rail bus connector

2695439

<https://www.phoenixcontact.com/us/products/2695439>

DIN rail bus connector (TBUS), 5-pos., for bridging the supply voltage, can be snapped onto NS 35/... DIN rail in accordance with EN 60715



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.
--------------------	--

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 2902958 MINI MCR-SL-PTB-FM power terminal and 2902961 MINI MCR-SL-FM-RC-NC 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	30 V DC (50 mA)

Connection data

Power supply

Connection method	Screw connection
Stripping length	7 mm

TC-D37SUB-ADIO16-M-P-UNI - Module carrier



2902933

<https://www.phoenixcontact.com/us/products/2902933>

Number of connections	1
Number of positions	6
Conductor cross-section rigid	0.14 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.14 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Controller level

Connection method	D-SUB pin strip
Number of connections	1
Number of positions	37

Signaling

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

Dimensions

Width	136 mm
Height	170 mm
Depth	159.5 mm

Material specifications

Flammability rating according to UL 94	V0
--	----

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

ATEX

Identification	⊕ II 3 G Ex nA IIC T4 Gc X
----------------	----------------------------

UKCA Ex (UKEX)

Identification	⊕ II 3 G Ex nA IIC T4 Gc
Certificate	PxCIF21UKEX2902933X

UL, USA/Canada

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

TC-D37SUB-ADIO16-M-P-UNI - Module carrier



2902933

<https://www.phoenixcontact.com/us/products/2902933>

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN 60664-1
-----------------------	------------

Mounting

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

2902933

<https://www.phoenixcontact.com/us/products/2902933>


Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2902933>

 UL Listed Approval ID: E330267				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

 cUL Listed Approval ID: E330267				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

 cUL Listed Approval ID: E199827				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

 UL Listed Approval ID: E199827				
	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	50 V	1 A	-	-

2902933

<https://www.phoenixcontact.com/us/products/2902933>

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780
-----------	----------

UNSPSC

UNSPSC 21.0	39121400
-------------	----------

2902933

<https://www.phoenixcontact.com/us/products/2902933>

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	9a059c45-117c-4322-86db-e2a7e3d24ee4

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
 586 Fulling Mill Road
 Middletown, PA 17057, United States
 (+717) 944-1300
info@phoenixcon.com