

TC-2KS40-AI16-EX2-PR-CSTM - Module carrier



2905931

<https://www.phoenixcontact.com/us/products/2905931>

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.



Termination Carrier for connecting 16 MACX Analog Ex i signal conditioners with double output to analog input cards of the Yokogawa Stardom TM via two KS40 connectors, 40-pos. Suitable for Yokogawa card NFAI143.

Your advantages

- Mechanically decoupled, passive PCB
- Robust aluminum profile with integrated DIN rail
- Side parts with integrated end clamps
- Simple or redundant supply (decoupled from diode, protected against polarity reversal) and monitoring function implemented via separate DIN rail module
- Double system connection, 40-pos. (KS/AKB-compatible)
- Cable sets for signal connection are supplied as standard and do not have to be ordered separately
- The power/fault signaling module is not supplied as standard and must be ordered separately.

Commercial data

Item number	2905931
Packing unit	1 pc
Minimum order quantity	10 pc
Product key	DK272C
GTIN	4055626019123
Weight per piece (including packing)	99.99 g
Weight per piece (excluding packing)	99.99 g
Country of origin	DE

TC-2KS40-AI16-EX2-PR-CSTM - Module carrier



2905931

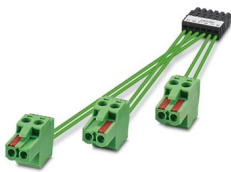
<https://www.phoenixcontact.com/us/products/2905931>

Set consists of

TC-C-MAX2-SC-313221221112 - Cable set

2905966

<https://www.phoenixcontact.com/us/products/2905966>



Cable set for signal transmission and power supply on the Termination Carrier for signal conditioners 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) and 1.1 and 1.2 (power supply) to the signal PCB.

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.

TC-2KS40-AI16-EX2-PR-CSTM - Module carrier

2905931

<https://www.phoenixcontact.com/us/products/2905931>



CLIPFIX 35-5 - End bracket

3022276

<https://www.phoenixcontact.com/us/products/3022276>



Quick mounting end clamp for NS 35/7,5 DIN rail or NS 35/15 DIN rail, with marking option, with parking option for FBS...5, FBS...6, KSS 5, KSS 6, width: 5.15 mm, color: gray

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	III
Pollution degree	2

Electrical properties

Max. permissible current	1 A (Signal/channel)
Nominal voltage U_N	< 50 V DC (Per signal/channel)

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV

Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFAI143
-------------------	---------

Supply

Fuse	2x 2.5 A on PCB, slow-blow (replaceable)
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 (2 A)
	33 V AC (2 A)

Connection data

Power supply

Connection method	Screw connection
Stripping length	7 mm
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

TC-2KS40-AI16-EX2-PR-CSTM - Module carrier



2905931

<https://www.phoenixcontact.com/us/products/2905931>

Conductor cross-section AWG	24 ... 12
-----------------------------	-----------

Controller level

Connection method	Yokogawa, KS compatible
Number of connections	2
Number of positions	40

Signaling

Status display	2x green LEDs (PWR1 and PWR2)
----------------	-------------------------------

Dimensions

Width	322 mm
Height	170 mm
Depth	160 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 ... 70 °C (For use at an ambient temperature of up to 70°C: the MACX MCR-SL-RPSSI-2I modules must be mounted 5 mm apart. Use the CLIPFIX 35-5 end brackets provided as spacers.)
Ambient temperature (storage/transport)	-40 °C ... 80 °C (Please observe module specifications)
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	DIN EN 50178
-----------------------	--------------

Mounting

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

2905931

<https://www.phoenixcontact.com/us/products/2905931>

Environmental product compliance

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.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

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