

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Termination Carrier for redundantly connecting 16 MINI Analog signal conditioners to analog input cards of the Yokogawa CENTUM VP controller, via KS40 connector, 40-pos. Suitable for Yokogawa card AAI543.

Your advantages

- ✓ Mechanically decoupled, passive PCB
- ✓ Redundant system connection, 40-pos. (KS/AKB-compatible)
- ✓ Simple or redundant supply (decoupled from diode, protected against polarity reversal) and monitoring function implemented via separate DIN rail module
- ✓ FLK26 high-density HART connection
- ✓ Robust aluminum profile with integrated DIN rail
- ✓ Side parts with integrated end clamps
- ✓ Cable sets for signal connection are supplied as standard and do not have to be ordered separately

Key Commercial Data

Packing unit	1 pc
GTIN	 4 055626 019048
GTIN	4055626019048

Technical data

Dimensions

Width	148 mm
Height	170 mm
Depth	160 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C (Please observe module specifications)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	≤ 2000 m
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Technical data

Ambient conditions

Degree of protection	IP20
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	2g, according to IEC 60068-2-6

General

Nominal voltage U_N	< 30 V DC (Per signal/channel)
Max. permissible current	23 mA (Signal/channel)

Supply

Designation	Power module
Note	Power supply via 2902958 MINI MCR-SL-PTB-FM power terminal and 2902961 MINI MCR-SL-FM-RC-NC error signaling module.
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 type	1 N/C contact (alarm = open)
Maximum switching voltage	30 V DC (50 mA)
Fuse	2x 2.5 A on PCB, slow-blow (replaceable)
Status display	2 x red LED (error)
	2x green LEDs (PWR1 and PWR2)

Connection data

Connection name	Power supply
Connection method	Screw connection
Stripping length	7 mm
Number of connections	1
Number of positions	6
Conductor cross section solid	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

Connection data 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Number of connections	2
Number of positions	40

Standards and Regulations

Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	50 V

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Technical data

Standards and Regulations

Rated surge voltage	0.5 kV
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	II
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	2g, according to IEC 60068-2-6
UL, USA/Canada	UL 61010 Listed
	Class I, Div. 2, Groups A, B, C, D T4
	Class I, Zone 2, Group IIC

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Articles in set

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

Cable set - TC-C-PTB1-AI-SET1 - 2905217



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

DIN rail bus connectors - ME 6,2 TBUS-2 1,5/5-ST-3,81 GN - 2869728



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

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600
eCl@ss 6.0	27371600
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 4.0	EC002780
ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals

Approvals


Approvals

UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

UL Listed / cUL Listed / cULus Listed

Approval details

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330267
Nominal voltage UN	50 V		

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Approvals

Nominal current IN	1 A
--------------------	-----

cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 330267
Nominal voltage UN	50 V		
Nominal current IN	1 A		

EAC		RU C- DE.A*30.B.01742
-----	--	--------------------------

cULus Listed	
--------------	--

Accessories

Necessary add-on products

Output signal conditioner - MINI MCR-SL-IDS-I-I - 2905577



3-way output signal conditioner for transmitting 0/4 ... 20 mA signals from the controller to a load located in the field with simultaneous 3-way electrical isolation between the input, output, and supply, with screw connection

Monitoring module - MINI MCR-SL-FM-RC-NC - 2902961



The fault monitoring module is used to evaluate and report group errors from the fault monitoring system and to monitor the supply voltages. The error is reported via an N/O contact. Screw connection, standard configuration.

Power terminal block - MINI MCR-SL-PTB-FM - 2902958



The MINI MCR-SL-PTB-FM(-SP) power terminal block is used to supply the supply voltage to the DIN rail connector. The FM power terminal block offers the additional function of monitoring in combination with the fault monitoring module. Screw connection.

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Accessories

Front adapters - FLK 40-PA/EZ-DR/KS/ 100/YUC - 2322786



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 1.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/ 200/YUC - 2314341



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 2.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/ 300/YUC - 2314354



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 3.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/ 400/YUC - 2314367



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 4.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/ 500/YUC - 2321570



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 5.0 m

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Accessories

Front adapters - FLK 40-PA/EZ-DR/KS/ 600/YUC - 2314943



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 6.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/ 700/YUC - 2321583



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 7.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/ 800/YUC - 2314956



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 8.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/ 900/YUC - 2321415



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 9.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1000/YUC - 2314370



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 10.0 m

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Accessories

Front adapters - FLK 40-PA/EZ-DR/KS/1100/YUC - 2321428



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 11.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1200/YUC - 2321431



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 12.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1300/YUC - 2321444



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 13.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1400/YUC - 2321457



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 14.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1500/YUC - 2314383



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 15.0 m

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Accessories

Front adapters - FLK 40-PA/EZ-DR/KS/1600/YUC - 2321596



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 16.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1700/YUC - 2321606



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 17.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1800/YUC - 2321619



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 18.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/1900/YUC - 2321622



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 19.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/2000/YUC - 2314532



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 20.0 m

Module carrier - TC-2KS40-AO16-M-PRH-CS - 2905905

Accessories

Front adapters - FLK 40-PA/EZ-DR/KS/2500/YUC - 2314545



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 25.0 m

Front adapters - FLK 40-PA/EZ-DR/KS/3000/YUC - 2314558



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 30.0 m

Additional products

Label, highly flexible - EMLF (108XE)R - 0800549



Label, highly flexible, Roll, white, unlabeled, can be labeled with: THERMOMARK ROLLMASTER 300/600, THERMOMARK X1.2, THERMOMARK ROLL X1, THERMOMARK ROLL 2.0, THERMOMARK ROLL, mounting type: adhesive, lettering field size: 108 x 48000 mm, Number of individual labels: 1

Zack Marker strip, flat - ZBF 15:UNBEDRUCKT - 0811202



Zack Marker strip, flat, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into flat marker groove, for terminal block width: 15 mm, lettering field size: 15 x 5.2 mm, Number of individual labels: 5

Phoenix Contact 2020 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstr. 8

32825 Blomberg

Germany

Tel. +49 5235 300

Fax +49 5235 3 41200

<http://www.phoenixcontact.com>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Unspecified Connectors](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[1-21107-1](#) [RAD-OUT-8D-REL](#) [RF-17S1N8A80DU](#) [1409899](#) [PSC-28-1](#) [38111](#) [403000A10M050](#) [1-1589688-1](#) [5102110](#) [1200110](#) [1200113](#)
[578286](#) [578272](#) [578411](#) [NPQP-D-R18-Q4-FD-P10](#) [NPQP-D-R18-Q6-FD-P10](#) [NPQP-L-R14-Q6-FD-P10](#) [NPQP-L-R18-Q6-FD-P10](#) [190647](#)
[153341](#) [153322](#) [130642](#) [153169](#) [RC-Z2068](#) [RAD-900-CONF-RF1](#) [RAD-CON-SMA-N-SS](#) [RAD-PIG-EF316-N-RSMA](#) [RAD-ISM-2400-](#)
[ANT-VAN-3-0-R](#) [RIF-0-RPT-12DC/21](#) [RIF-1-BPT/2X21](#) [RIF-RH-1](#) [801377](#) [803579](#) [710-00007](#) [122.005-6](#) [122.012-10](#) [122.012-16](#)
[122.018-10](#) [125.012-14](#) [149.012](#) [2090](#) [1/2-1/8](#) [259.03SB-25](#) [259.04SB-25](#) [259.05SB-25](#) [259.09SB-25](#) [259.11SB-25](#) [259.12SB-25](#) [259.13SB-](#)
[25](#) [259.17SB-25](#) [259.18SB-25](#)