TC-2KS40-AI16-M-PRH-CS - Module carrier

2905257

https://www.phoenixcontact.com/us/products/2905257

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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 AAI143 cards.

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

Commercial data

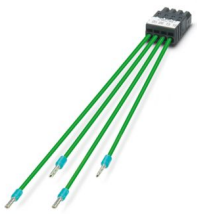
Item number	2905257
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DK273C
GTIN	4046356950732
Weight per piece (including packing)	1,220 g
Weight per piece (excluding packing)	1,220 g
Country of origin	DE

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

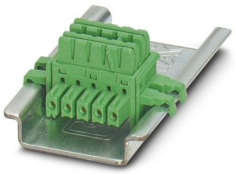


Cable set for MINI MCR-SL-PTB-FM power module (Item No. 2902958) and MINI MCR-SL-FM-RC-NC error message module (Item No. 2902961), for use on the termination carrier for modules from the MINI Analog series.

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

2869728

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



DIN rail bus 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.

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	23 mA (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: YOKOGAWA CENTUM VP

Suitable I/O card	AAI143

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

Number of connections	1
Number of positions	6
Conductor cross-section rigid	0.14 mm² ... 2.5 mm²
Conductor cross-section flexible	0.14 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

Controller level

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

Signaling

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

Dimensions

Width	147 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

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

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2905257

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	-	-

Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	EC002780

UNSPSC

UNSPSC 21.0	39121400

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	04381dc4-7c32-433e-8ef0-d287a6ecf72c

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