

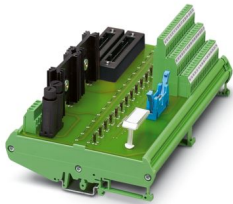
FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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16-channel analog module with spring-cage connection. The voltage supply and the 40-pos. system connection are designed redundantly. Suitable for Yokogawa AAI141 and AAI143 cards.

The figure shows a version with a screw connection

Commercial data

Item number	2314710
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DK218N
GTIN	4046356148689
Weight per piece (including packing)	300 g
Weight per piece (excluding packing)	300 g
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
Number of positions	40
No. of channels	32
	16

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal voltage U_N	24 V DC ± 10 %
Max. current carrying capacity per branch	100 mA
Max. total current of all branches	2 A (P1+, P2+)

Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	AAI141
	AAI143

Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFAI143
	NFAI143

Connection data

Field level

Connection method	Spring-cage connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Controller level

Connection method	Yokogawa, KS compatible
Number of connections	2
Number of positions	40
Note	Usable system cables: Phoenix Contact YUC40, Yokogawa KS1
Tightening torque	0.5 Nm

HART connector

Connection method	HART connector
Number of connections	1

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Signaling

Status display present	no
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Dimensions

Item dimensions

Width	214 mm
Height	126 mm
Depth	81 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	DIN EN 50178
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Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

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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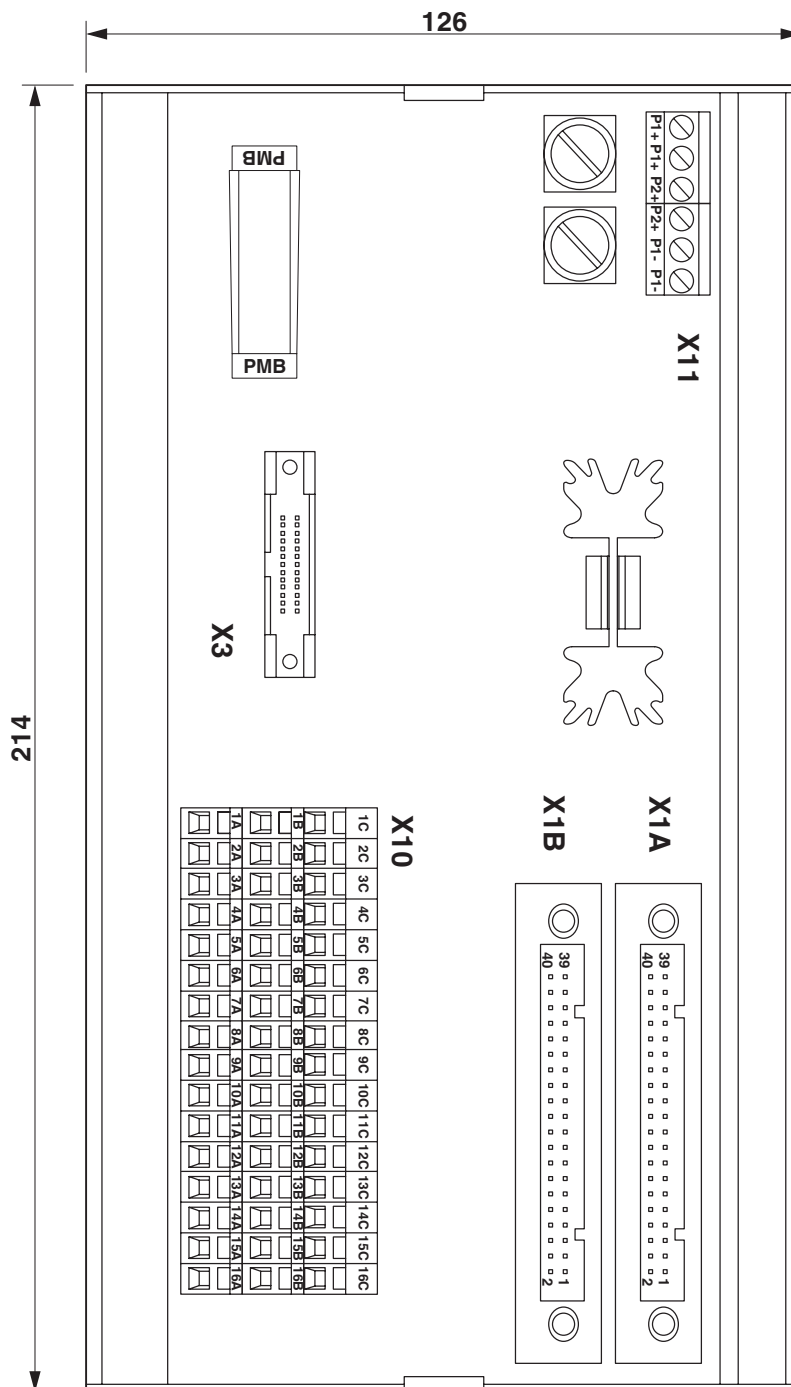


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Drawings

Dimensional drawing



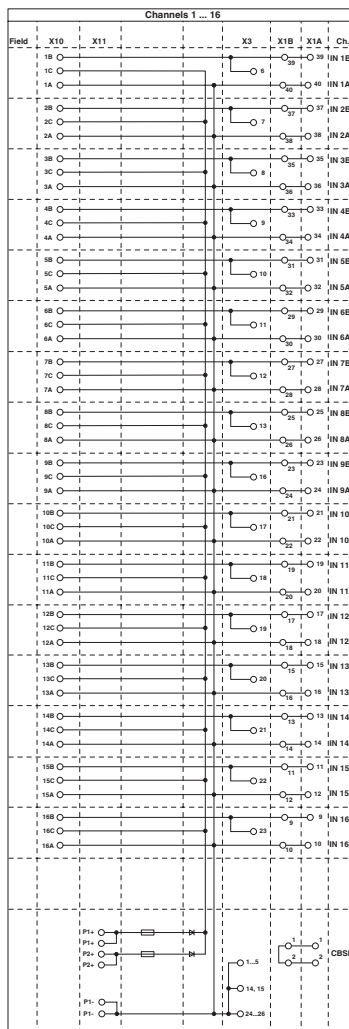
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Circuit diagram



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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%
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