

2311331

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16-channel analog input module with spring-cage connection and redundant voltage supply. Suitable for Yokogawa AAI141 and AAI143 cards. Connection option for HART multiplexers.

Commercial data

Item number	2311331
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK218N
GTIN	4046356317702
Weight per piece (including packing)	427 g
Weight per piece (excluding packing)	169.96 g
Customs tariff number	85369010
Country of origin	DE

UM-2KS40/AI16/CS/Z/SO180 - Input module



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Technical data

Product properties

Product type	Interface module
No. of channels	32
	16

Insulation characteristics

Overvoltage category	II
Pollution degree	2

Electrical properties

Nominal voltage U_N	24 V DC $\pm 10\%$
Max. total current of all branches	2 A (Redundant (P1+,P2+))
Rated surge voltage	0.5 kV

Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	AAI141
	AAI143

Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFAI141
	NFAI143

Connection data

Field level

Connection method	Spring-cage connection
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross-section AWG	24 ... 14

Controller level

Connection method	Yokogawa, KS compatible
Number of connections	2
Number of positions	40
Tightening torque	0.5 Nm
Connection method	HART connector
Number of positions	26

Signaling

Status display present	no
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Dimensions

Item dimensions

Width	162.5 mm
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Height	125.4 mm
Depth	70.7 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	EN IEC 60664-1
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Mounting

Mounting type	DIN rail mounting
Mounting position	any

Notes

Notes on operation	Voltage monitoring on the module does not work in combination with upstream HESILED fuse terminal blocks with integrated LED display.
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.

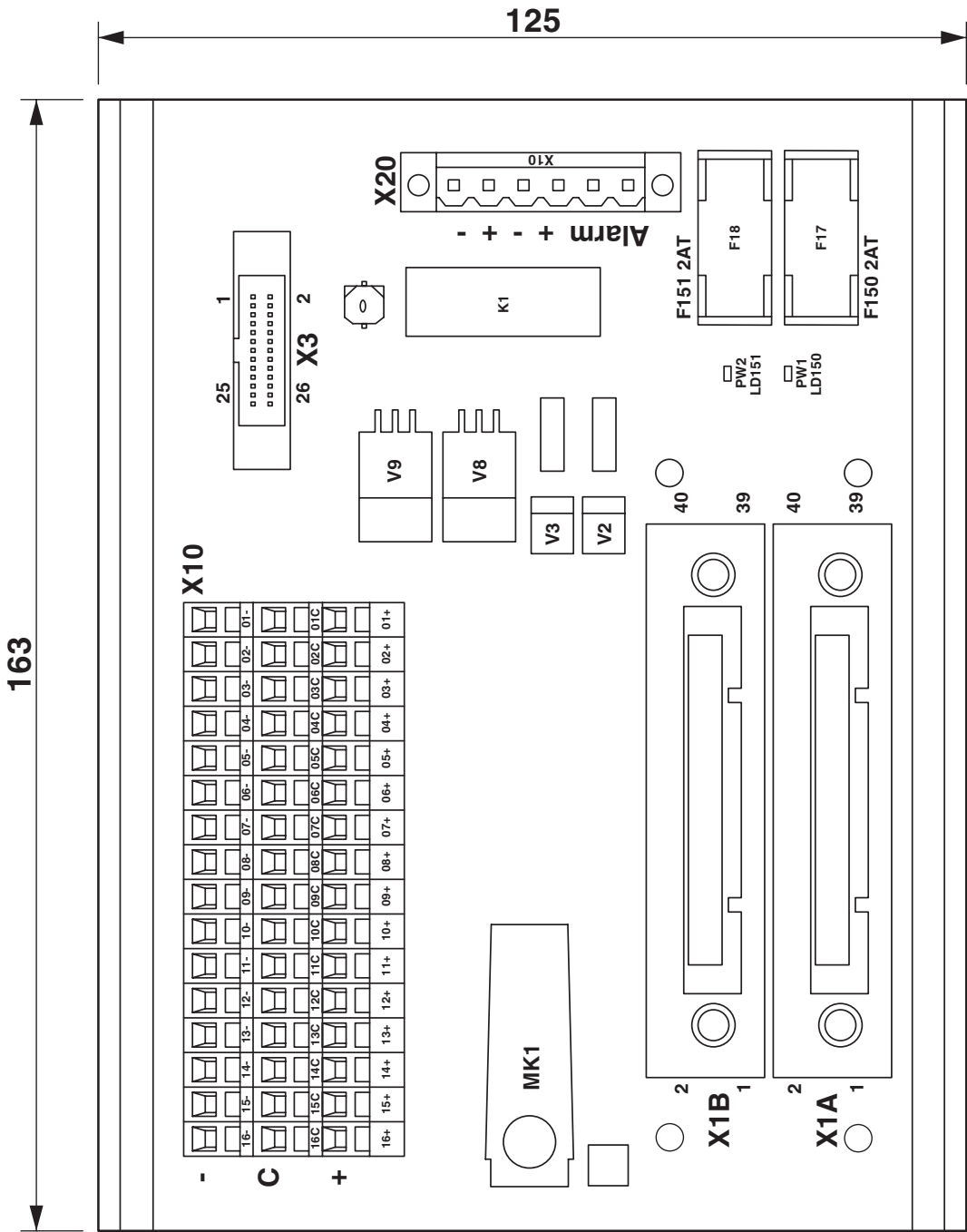
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Drawings

Dimensional drawing



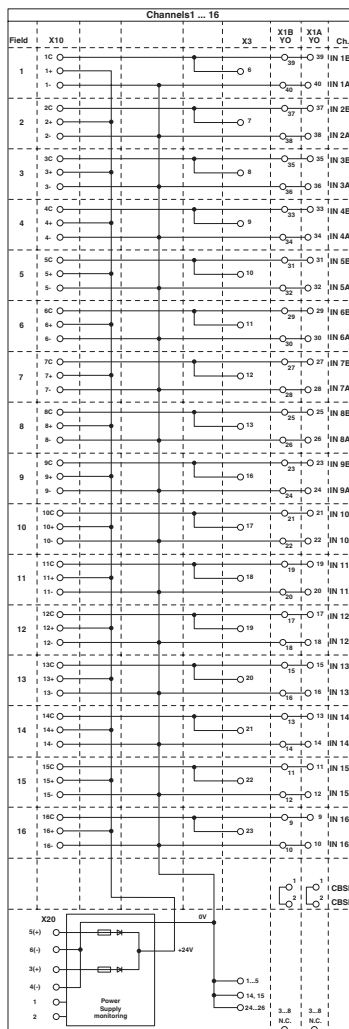
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Circuit diagram



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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 9.0	EC002780
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 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	61641380-54ad-46b6-be0b-b315d4636a4b