

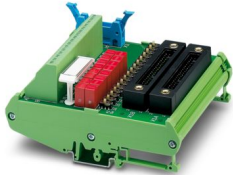
UM-2KS40/AIO16/CS/Z/SO180 - Input module



2311344

<https://www.phoenixcontact.com/us/products/2311344>

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16-channel analog input/output module with spring-cage connection. Suitable for Yokogawa AAI141, AAI143 and AAI543 cards.

Every channel can be switched between the output and the input. Connection option for HART multiplexers.

Commercial data

Item number	2311344
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK218N
GTIN	4046356317719
Weight per piece (including packing)	284.4 g
Weight per piece (excluding packing)	163.4 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
No. of channels	16

Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (DC)	24 V DC
Current (per branch)	≤ 0.1 A

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 μs)

Supported controller: YOKOGAWA CS3000 CentumVP

Suitable I/O card	AAI543
	AAI141
	AAI143

Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFAI543
	NFAI141
	NFAI143

Connection data

Connection 1 (control 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
Pitch	2.54 mm

Connection 2 (field level)

Connection method	Spring-cage connection
Stripping length	7.5 mm
Number of positions	32
Conductor cross-section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross-section flexible	0.2 mm ² ... 1.5 mm ²
	0.25 mm ² ... 1.5 mm ² (Ferrule without plastic sleeve)

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	0.25 mm ² ... 1.5 mm ² (Ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 14
Pitch	5.08 mm

Connection 3 (HART connector)

Connection method	HART connector
Number of connections	1
Number of positions	26
Pitch	1.27 mm

Signaling

Status display present	no
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Dimensions

Item dimensions

Width	107.5 mm
Height	125.4 mm
Depth	61.8 mm

Environmental and real-life conditions

Ambient conditions

Degree of protection (Module)	IP00
Degree of protection (Installation location)	≤ IP54
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Altitude	≤ 2000 m

Approvals

UKCA

Certificate	UKCA-compliant
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Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
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Mounting

Mounting type	DIN rail mounting
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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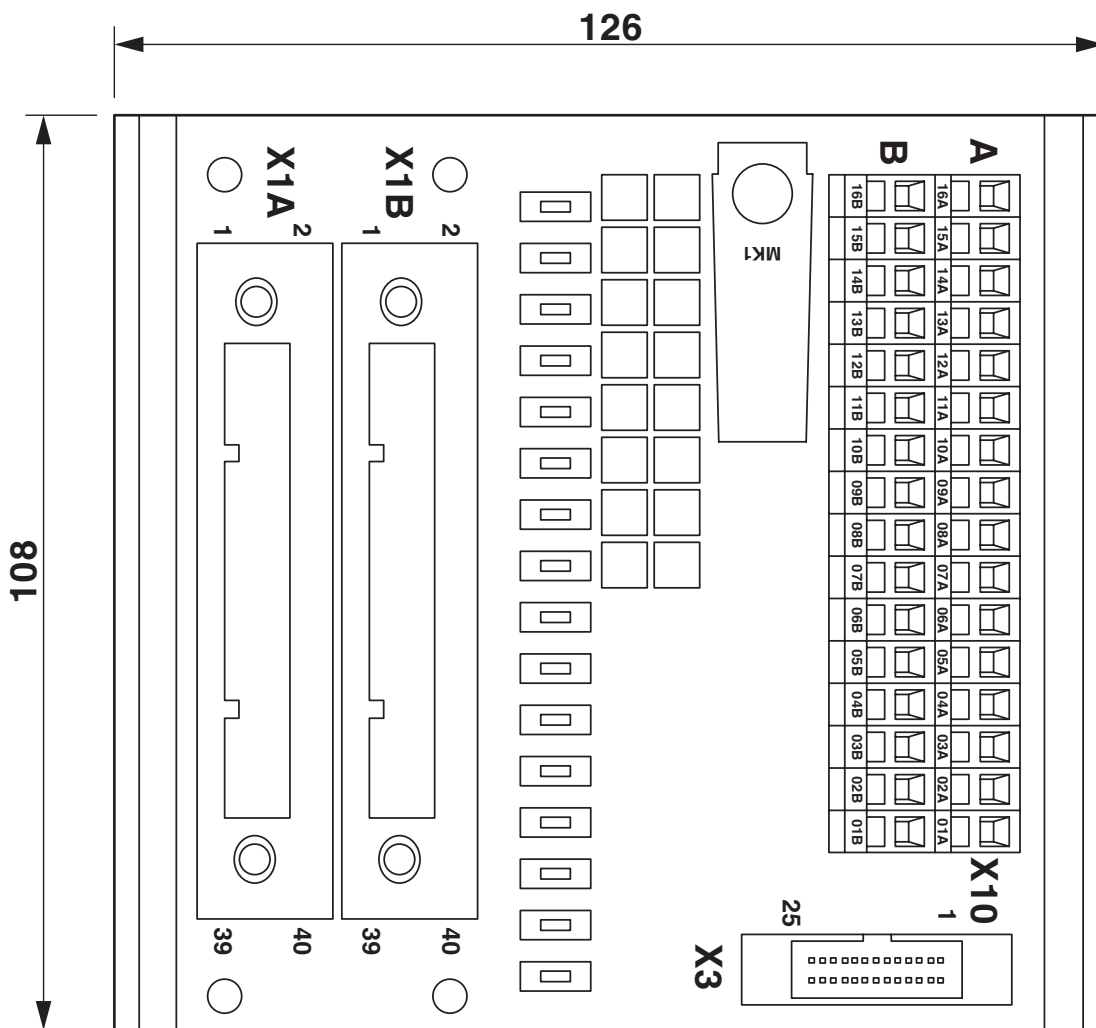


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Drawings

Dimensional drawing



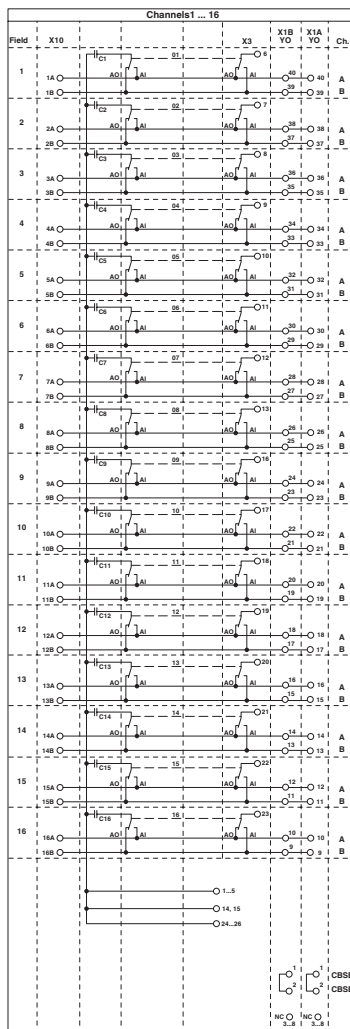
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Circuit diagram



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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2311344>



EAC

Approval ID: RU*-DE.*08.B.01829*



CSA

Approval ID: LR 13631

	Nominal voltage U_N	Nominal current I_N	Cross section AWG	Cross section mm^2
keine				
	24 V	0.1 A	-	-

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Classifications

ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

ETIM

ETIM 10.0	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)

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	e3facb1b-d325-49b5-bd1e-17005ffe53d6

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