

UM-2KS40/AI 8/CS/Z/SO180 - Passive module



2311386

<https://www.phoenixcontact.com/us/products/2311386>

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8-channel analog input module with spring-cage connection. Suitable for the Yokogawa AAI135 and AAP135 cards. Connection option for HART multiplexers.

Commercial data

Item number	2311386
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	CK218N
GTIN	4046356317757
Weight per piece (including packing)	274 g
Weight per piece (excluding packing)	274 g
Customs tariff number	85369010
Country of origin	DE

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Technical data

Product properties

Product type	Interface module
No. of channels	8
	12
	16

Data management status

Article revision	07
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Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

Electrical properties

Operating voltage (DC)	≤ 30 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	AAI135
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Supported controller YOKOGAWA STARDOM

Suitable I/O card	NFAI135
	NFAV141
	NFAV142

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	24
Conductor cross section rigid	0.2 mm² ... 2.5 mm²

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Conductor cross section flexible	0.2 mm² ... 1.5 mm²
	0.2 mm² ... 1.5 mm²
	0.25 mm² ... 1.5 mm² (Ferrule without plastic sleeve)
Conductor cross section flexible (2 conductors with same cross section)	0.25 mm² ... 1.5 mm² (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	2
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	70.7 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

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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.

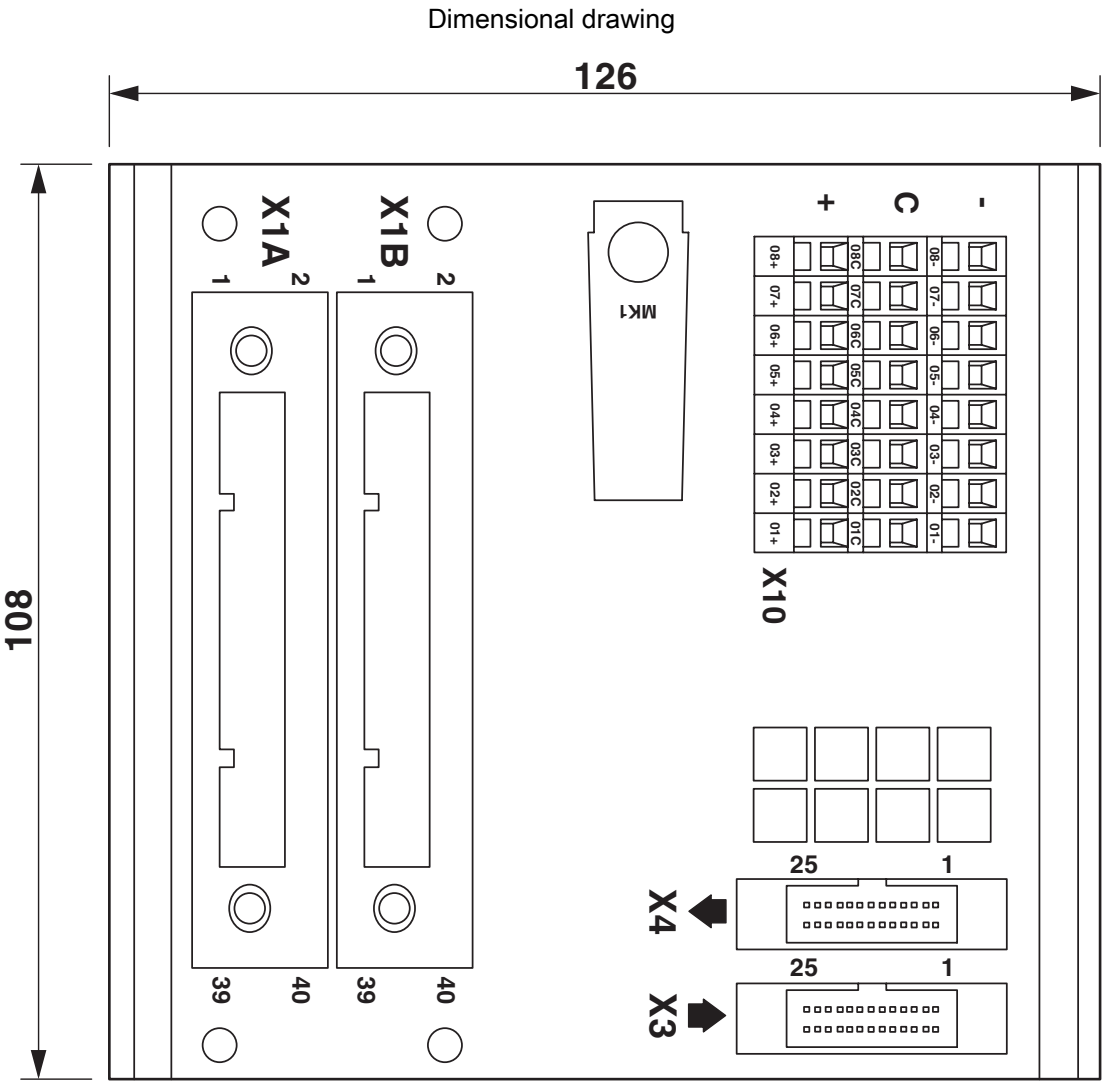
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Drawings



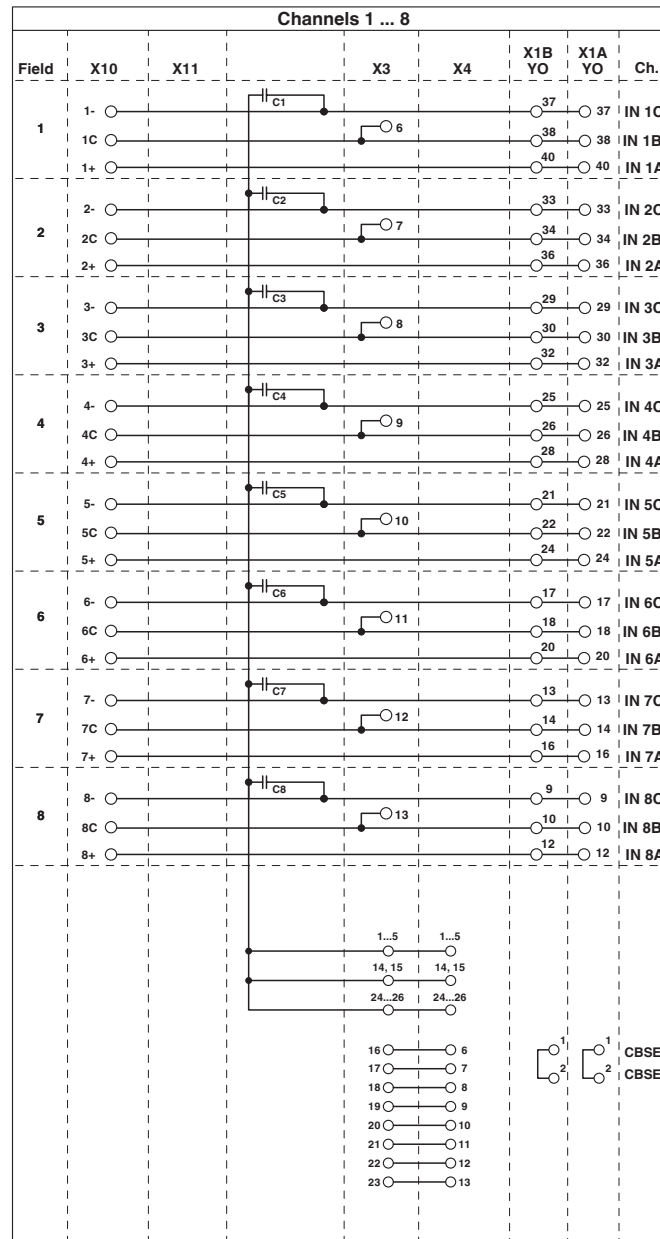
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Circuit diagram



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Approvals

📄 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2311386>



EAC

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

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Classifications

ECLASS

ECLASS-11.0	27141152
ECLASS-12.0	27141152
ECLASS-13.0	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)
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	cfb2aa04-e3a1-47e8-864c-1d7dd4405e14