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

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
Sales key	DK218N
Product key	DK218N
GTIN	4046356317757
Weight per piece (including packing)	274 g
Weight per piece (excluding packing)	274 g
Customs tariff number	85369010
Country of origin	DE

Technical data

Product properties

No. of channels	8
	12
	16

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

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
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

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

Standards and regulations

Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1

Mounting

Mounting type	DIN rail mounting
Mounting position	any

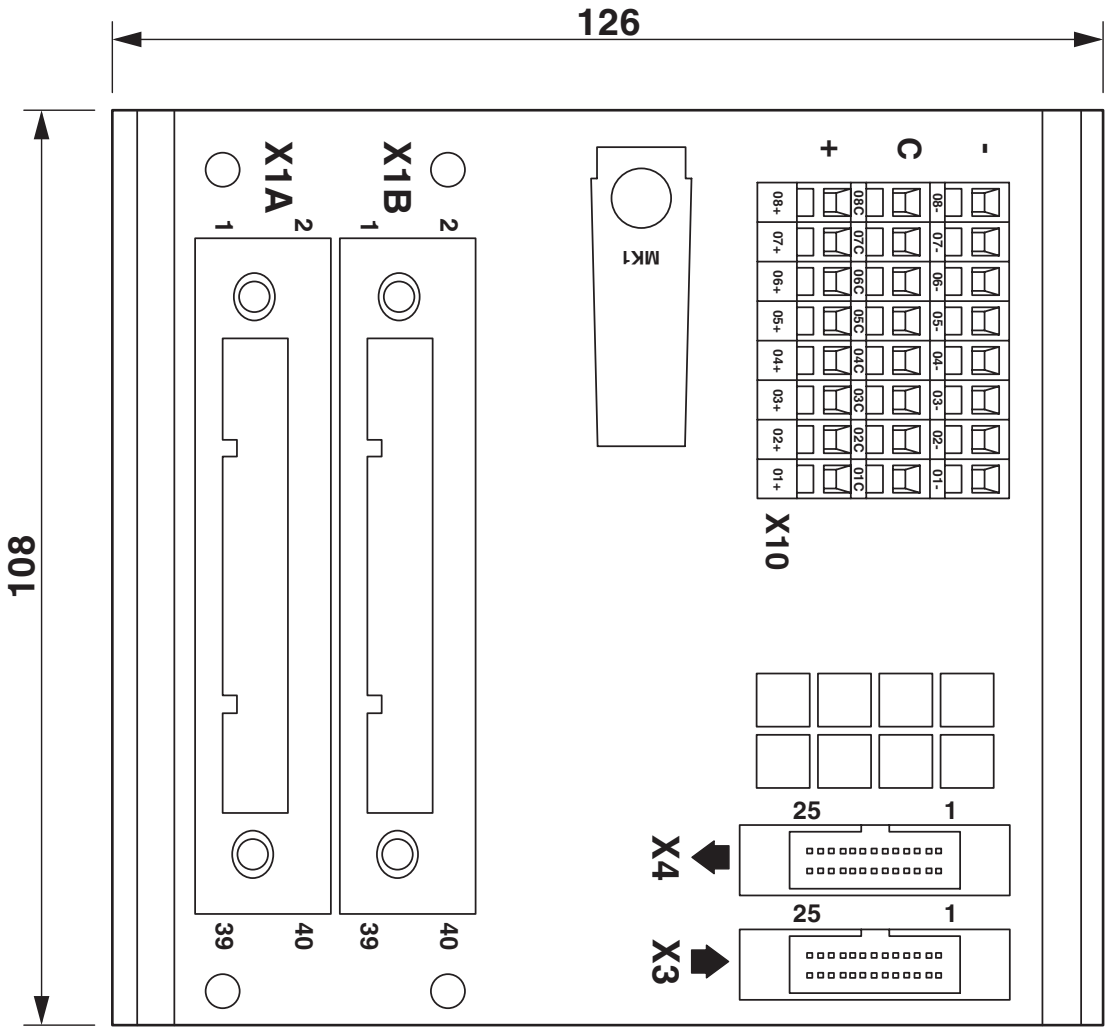
Notes

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

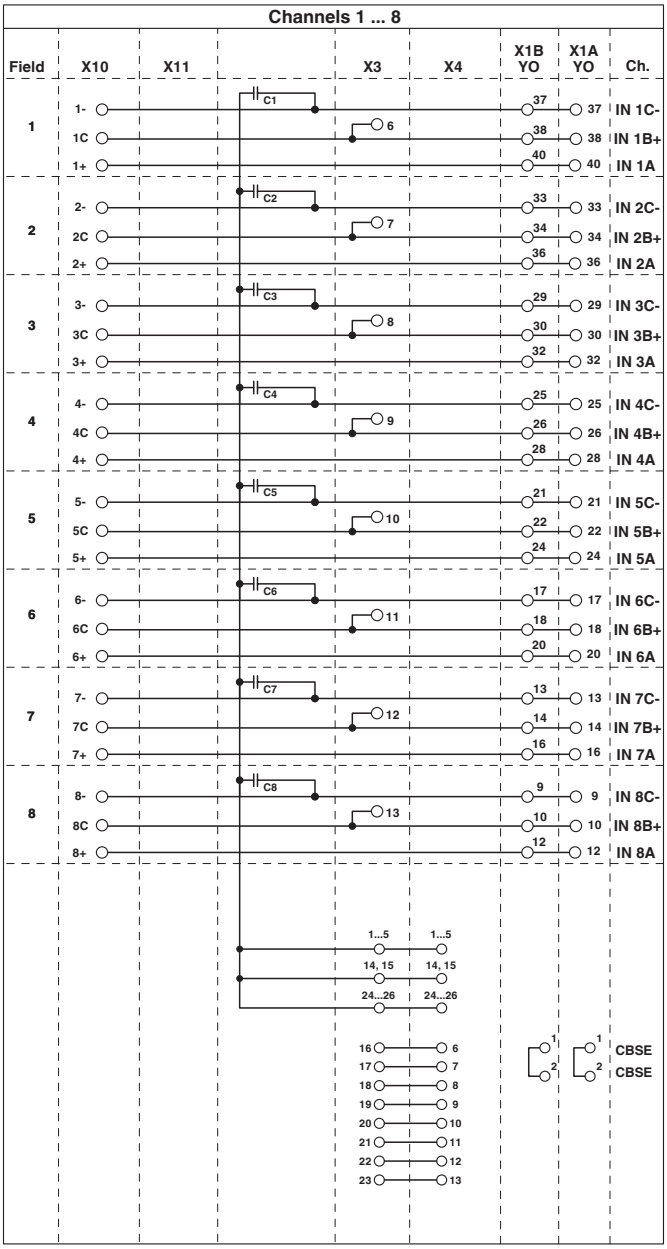
	be met.

Drawings

Dimensional drawing



Circuit diagram



Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/nl/products/2311386

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

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)

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

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