

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



Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 317719
GTIN	4046356317719

Technical data

Dimensions

Width	108 mm
Height	126 mm
Depth	65 mm

Ambient conditions

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

General

Max. perm. operating voltage	24 V DC ±10 %
Max. perm. current (per branch)	100 mA
Mounting position	any

Connection data for connection 1

Connection name	Field level
Connection method	Spring-cage connection
Conductor cross section solid	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

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Technical data

Connection data for connection 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Torque	0.5 Nm
Number of connections	2
Number of positions	40
Note	Usable system cables: Phoenix Contact YUC40, Yokogawa KS1

Connection data for connection 3

Connection method	HART connector
Number of connections	2
Number of positions	26

Supported controller

Controller	YOKOGAWA CS3000 CentumVP
- suitable I/O card	AAI543
	AAI141
	AAI143
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFAI543
	NFAI141
	NFAI143

Standards and Regulations

Standards/regulations	DIN EN 50178
Rated surge voltage	0.5 kV
Degree of pollution	2
Overvoltage category	II

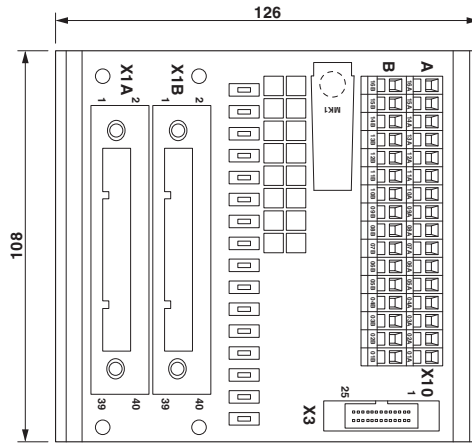
Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

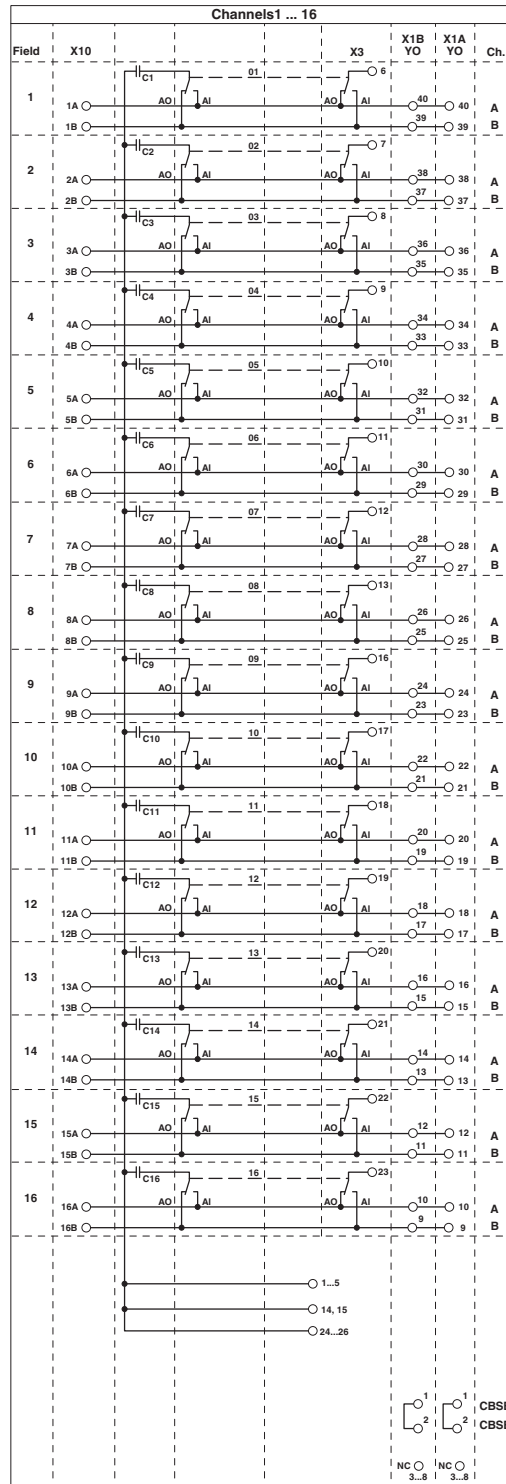
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Dimensional drawing



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Circuit diagram



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Approvals


Approvals


Approvals

CSA / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	LR 13631
Nominal voltage UN		24 V	
Nominal current IN		0.1 A	

EAC		RU C- DE.A*30.B.01742
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