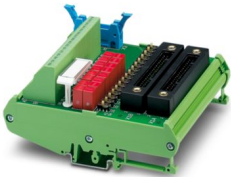


2311344

<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	CK21A4
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

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



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## Technical data

### Product properties

Product type	Interface module
No. of channels	16

### Insulation characteristics

Insulation	Functional insulation
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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)	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
Number of positions	32
Conductor cross section rigid	0.2 mm² ... 2.5 mm²
Conductor cross section flexible	0.2 mm² ... 1.5 mm²

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Conductor cross section AWG	24 ... 14
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## 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

General	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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## 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

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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