

# UM-2KS40/AI16/RS/SI/KDS3/SO227 - Input module



2319197

<https://www.phoenixcontact.com/us/products/2319197>

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16-channel analog input module with screw connection and integrated knife disconnect function. Redundant voltage supply. Suitable for Yokogawa SAI 143 card.

## Commercial data

Item number	2319197
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C429
Product key	DK2A8N
GTIN	4046356364164
Weight per piece (including packing)	944 g
Weight per piece (excluding packing)	1.061 g
Customs tariff number	85369010
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
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#### Insulation characteristics: Air clearances and creepage distances

Overvoltage category	III
Pollution degree	2

### Electrical properties

Nominal voltage $U_N$	30 V DC
Max. current carrying capacity per branch	300 mA
Max. total current of voltage supply	6.3 A (F101, F102) plug-in fuse (IEC 127-2, TR5, 6.3 A)

#### Air clearances and creepage distances

Rated surge voltage	Basic insulation
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#### Supported controller: YOKOGAWA ProSafe-RS

Suitable I/O card	SAI143
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### Connection data

#### Field level

Connection method	Screw connection
Number of positions	48
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

#### Controller level

Connection method	Yokogawa, KS compatible
Number of connections	2
Number of positions	40
Tightening torque	0.5 Nm

#### Supply

Connection method	Screw connection
Number of positions	6
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

### Signaling

Status display present	no
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### Dimensions

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## Item dimensions

Width	268 mm
Height	125 mm
Depth	97 mm

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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## Mounting

Mounting type	DIN rail mounting
Mounting position	any

## Notes

Notes on operation	Voltage monitoring on the module does not work in combination with upstream HESILED fuse terminal blocks with integrated LED display.
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.

### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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## Environmental product compliance

### 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.)	No substance above 0.1 wt%
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