

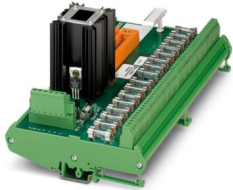
# UM-2KS40/16AI/SI/RS/SO225 - Input module



2319841

<https://www.phoenixcontact.com/us/products/2319841>

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16-channel analog input module with screw connection and redundant voltage supply. Suitable for Yokogawa SAI 143 card.

## Commercial data

Item number	2319841
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	CK21A4
Catalog page	Page 522 (C-5-2017)
GTIN	4046356440325
Weight per piece (including packing)	835 g
Weight per piece (excluding packing)	820 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

Product type	Interface module
Number of positions	40
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

Nominal voltage $U_N$	30 V DC
Max. current carrying capacity per branch	1 A
Max. total current of all branches	10 A

### Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 $\mu$ s)

### 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	pluggable
Number of connections	1
Number of positions	6

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## Signaling

Status display present	Yes, if the fuse fails
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## Dimensions

### Item dimensions

Width	250 mm
Height	125.4 mm
Depth	103.55 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 55 °C
Altitude	< 2000 m

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178: 1998-04
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## Mounting

Mounting type	DIN rail mounting
Mounting position	any

## Notes

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