

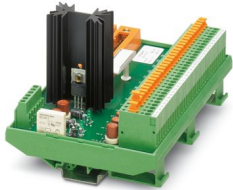
# UM-2KS50/DI16/RS/KDS-3/SO227 - Input module



2319171

<https://www.phoenixcontact.com/us/products/2319171>

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16-channel digital input module with screw connection and integrated knife disconnect function. Redundant voltage supply with signaling relay. Suitable for Yokogawa SDV 144 card.

## Commercial data

Item number	2319171
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK2A8N
GTIN	4046356363792
Weight per piece (including packing)	675.1 g
Weight per piece (excluding packing)	655 g
Customs tariff number	85369010
Country of origin	DE

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## Technical data

### Product properties

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

Overvoltage category	II
Pollution degree	2

### Electrical properties

Nominal voltage $U_N$	30 V DC
Max. current carrying capacity per branch	100 mA
Max. total current of voltage supply	2 A

#### Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (Basic insulation)

#### Supported controller: YOKOGAWA ProSafe-RS

Suitable I/O card	SDV144
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### Connection data

#### Field level

Connection method	Screw connection
Number of positions	32
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	50
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	180 mm
Height	111 mm
Depth	98 mm

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 70 °C
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## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178
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## Mounting

Mounting position	any
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## 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

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)