

# UM-2KS40/16AI/RS/MKDS - Input module

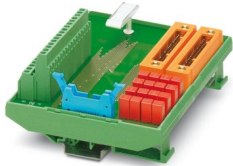


2900680

<https://www.phoenixcontact.com/us/products/2900680>

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16-channel analog input module with screw connection. Suitable for Yokogawa SAI 143 card.  
Connection option for HART multiplexers.



## Commercial data

Item number	2900680
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C429
Product key	DK2A8N
GTIN	4046356522663
Weight per piece (including packing)	374 g
Weight per piece (excluding packing)	374 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	III
Pollution degree	2

### Electrical properties

Nominal voltage $U_N$	24 V DC
Max. current carrying capacity per branch	100 mA

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
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 1.5 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
Connection method	HART connector

### Signaling

Status display present	no
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### Dimensions

Item dimensions

Width	162 mm
Height	112 mm
Depth	67 mm

### Environmental and real-life conditions

Ambient conditions

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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	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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## 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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