

# UM-2KS40/AI 8/CS/Z/SO180 - Passive module



2311386

<https://www.phoenixcontact.com/us/products/2311386>

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

8-channel analog input module with spring-cage connection. Suitable for the Yokogawa AAI135 and AAP135 cards. Connection option for HART multiplexers.



## Commercial data

Item number	2311386
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK218N
GTIN	4046356317757
Weight per piece (including packing)	274 g
Weight per piece (excluding packing)	274 g
Customs tariff number	85369010
Country of origin	DE

# UM-2KS40/AI 8/CS/Z/SO180 - Passive module



2311386

<https://www.phoenixcontact.com/us/products/2311386>

## Technical data

### Product properties

Product type	Interface module
No. of channels	8
	12
	16

### Insulation characteristics: Air clearances and creepage distances

Insulation	Functional insulation
Overvoltage category	II
Pollution degree	2

### Electrical properties

Operating voltage (DC)	≤ 30 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	AAI135
-------------------	--------

### Supported controller: YOKOGAWA STARDOM

Suitable I/O card	NFAI135
	NFAV141
	NFAV142

## 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
Stripping length	7.5 mm
Number of positions	24
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>
	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>

# UM-2KS40/AI 8/CS/Z/SO180 - Passive module



2311386

<https://www.phoenixcontact.com/us/products/2311386>

	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)
Conductor cross-section flexible (2 conductors with same cross section)	0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule with plastic sleeve)
Conductor cross-section AWG	24 ... 14
Pitch	5.08 mm

## Connection 3 (HART connector)

Connection method	HART connector
Number of connections	2
Number of positions	26
Pitch	1.27 mm

## Signaling

Status display present	no
------------------------	----

## Dimensions

### Item dimensions

Width	107.5 mm
Height	125.4 mm
Depth	70.7 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
-------------	----------------

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	EN IEC 60664-1
-----------------------	----------------

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

## Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-
--------------------	--

# UM-2KS40/AI 8/CS/Z/SO180 - Passive module



2311386

<https://www.phoenixcontact.com/us/products/2311386>

party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.



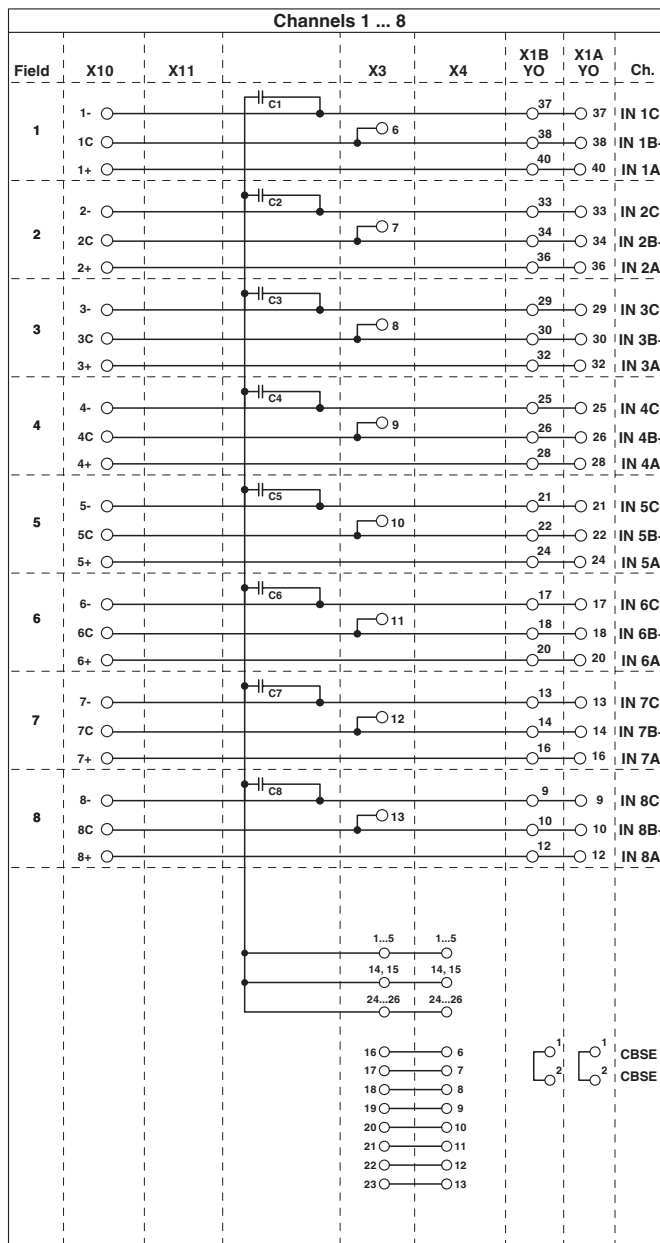
# UM-2KS40/AI 8/CS/Z/SO180 - Passive module

2311386

<https://www.phoenixcontact.com/us/products/2311386>



## Circuit diagram



# UM-2KS40/AI 8/CS/Z/SO180 - Passive module



2311386

<https://www.phoenixcontact.com/us/products/2311386>

## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2311386>



**EAC**

Approval ID: RU\*-DE.\*08.B.01829\*

# UM-2KS40/AI 8/CS/Z/SO180 - Passive module



2311386

<https://www.phoenixcontact.com/us/products/2311386>

## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
-----------	----------

### UNSPSC

UNSPSC 21.0	39121400
-------------	----------

2311386

<https://www.phoenixcontact.com/us/products/2311386>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

### 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.)	Lead(CAS: 7439-92-1)
SCIP	cfb2aa04-e3a1-47e8-864c-1d7dd4405e14

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)