UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

PHŒNIX CONTACT

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16-channel digital input module with spring-cage connection and redundant voltage supply. Suitable for Yokogawa SDV 144 card.

Commercial data

Item number	2319472
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK2A8N
GTIN	4046356347501
Weight per piece (including packing)	582.2 g
Weight per piece (excluding packing)	0.567 g
Country of origin	DE

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Technical data

Product properties

Product type	Interface module

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	100 mA
Max. total current of all branches	2 A

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.8 kV (Basic insulation)

Supported controller YOKOGAWA ProSafe-RS

Suitable I/O card	SDV144

Connection data

Field level

Connection method	Spring-cage connection
Number of positions	48
Conductor cross section rigid	0.2 mm² ... 4 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
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	Spring-cage connection
Number of connections	1
Number of positions	6
Conductor cross section rigid	0.2 mm² ... 2.5 mm²
Conductor cross section flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	24 ... 12

Signaling

Status display present	Yes

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Dimensions

Item dimensions

Width	250.5 mm
Height	126 mm
Depth	72 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 55 °C

Standards and regulations

Air clearances and creepage distances

Standards/regulations	DIN EN 50178

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.

Classifications

ECLASS

ECLASS-11.0	27141152

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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Accessories

FLK 50-PA/EZ-DR/KS/ 100/YUC - Front adapter

2900991

https://www.phoenixcontact.com/us/products/2900991

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 1.0 m

FLK 50-PA/EZ-DR/KS/ 200/YUC - Front adapter

2314299

https://www.phoenixcontact.com/us/products/2314299

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 2.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/ 300/YUC - Front adapter

2314309

https://www.phoenixcontact.com/us/products/2314309

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 3.0 m

FLK 50-PA/EZ-DR/KS/ 400/YUC - Front adapter

2314312

https://www.phoenixcontact.com/us/products/2314312

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 4.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/ 500/YUC - Front adapter

2321499

https://www.phoenixcontact.com/us/products/2321499

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 5.0 m

FLK 50-PA/EZ-DR/KS/ 600/YUC - Front adapter

2314927

https://www.phoenixcontact.com/us/products/2314927

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 6.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/ 700/YUC - Front adapter

2321509

https://www.phoenixcontact.com/us/products/2321509

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 7.0 m

FLK 50-PA/EZ-DR/KS/ 800/YUC - Front adapter

2314930

https://www.phoenixcontact.com/us/products/2314930

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 8.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/ 900/YUC - Front adapter

2321512

https://www.phoenixcontact.com/us/products/2321512

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 9.0 m

FLK 50-PA/EZ-DR/KS/1000/YUC - Front adapter

2314325

https://www.phoenixcontact.com/us/products/2314325

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 10.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/1100/YUC - Front adapter

2321389

https://www.phoenixcontact.com/us/products/2321389

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 11.0 m

FLK 50-PA/EZ-DR/KS/1200/YUC - Front adapter

2321525

https://www.phoenixcontact.com/us/products/2321525

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 12.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/1300/YUC - Front adapter

2321392

https://www.phoenixcontact.com/us/products/2321392

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 13.0 m

FLK 50-PA/EZ-DR/KS/1400/YUC - Front adapter

2321402

https://www.phoenixcontact.com/us/products/2321402

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 14.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/1500/YUC - Front adapter

2314338

https://www.phoenixcontact.com/us/products/2314338

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 15.0 m

FLK 50-PA/EZ-DR/KS/1600/YUC - Front adapter

2321538

https://www.phoenixcontact.com/us/products/2321538

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 16.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/1700/YUC - Front adapter

2321541

https://www.phoenixcontact.com/us/products/2321541

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 17.0 m

FLK 50-PA/EZ-DR/KS/1800/YUC - Front adapter

2321554

https://www.phoenixcontact.com/us/products/2321554

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 18.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/1900/YUC - Front adapter

2321567

https://www.phoenixcontact.com/us/products/2321567

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 19.0 m

FLK 50-PA/EZ-DR/KS/2000/YUC - Front adapter

2314503

https://www.phoenixcontact.com/us/products/2314503

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 20.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/2500/YUC - Front adapter

2314516

https://www.phoenixcontact.com/us/products/2314516

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 25.0 m

FLK 50-PA/EZ-DR/KS/3000/YUC - Front adapter

2314529

https://www.phoenixcontact.com/us/products/2314529

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 30.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/KS/5000/YUC - Front adapter

2318981

https://www.phoenixcontact.com/us/products/2318981

Cast front adapter with attached round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 50.0 m

FLK 50-PA/EZ-DR/HF/KS/ 100/YUC - Front adapter

2904739

https://www.phoenixcontact.com/us/products/2904739

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 1.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/ 200/YUC - Front adapter

2904740

https://www.phoenixcontact.com/us/products/2904740

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 2.0 m

FLK 50-PA/EZ-DR/HF/KS/ 300/YUC - Front adapter

2904741

https://www.phoenixcontact.com/us/products/2904741

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 3.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/ 400/YUC - Front adapter

2904742

https://www.phoenixcontact.com/us/products/2904742

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 4.0 m

FLK 50-PA/EZ-DR/HF/KS/ 500/YUC - Front adapter

2904636

https://www.phoenixcontact.com/us/products/2904636

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 5.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/ 600/YUC - Front adapter

2904743

https://www.phoenixcontact.com/us/products/2904743

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 6.0 m

FLK 50-PA/EZ-DR/HF/KS/ 700/YUC - Front adapter

2904744

https://www.phoenixcontact.com/us/products/2904744

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 7.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/ 800/YUC - Front adapter

2904745

https://www.phoenixcontact.com/us/products/2904745

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 8.0 m

FLK 50-PA/EZ-DR/HF/KS/ 900/YUC - Front adapter

2904746

https://www.phoenixcontact.com/us/products/2904746

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 9.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/1000/YUC - Front adapter

2904637

https://www.phoenixcontact.com/us/products/2904637

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 10.0 m

FLK 50-PA/EZ-DR/HF/KS/1500/YUC - Front adapter

2904638

https://www.phoenixcontact.com/us/products/2904638

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 15.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/2000/YUC - Front adapter

2904487

https://www.phoenixcontact.com/us/products/2904487

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 20.0 m

FLK 50-PA/EZ-DR/HF/KS/2500/YUC - Front adapter

2904639

https://www.phoenixcontact.com/us/products/2904639

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 25.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/3000/YUC - Front adapter

2904640
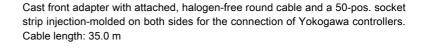
https://www.phoenixcontact.com/us/products/2904640

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 30.0 m

FLK 50-PA/EZ-DR/HF/KS/3500/YUC - Front adapter

2904641

https://www.phoenixcontact.com/us/products/2904641

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 35.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/4000/YUC - Front adapter

2904642

https://www.phoenixcontact.com/us/products/2904642

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 40.0 m

FLK 50-PA/EZ-DR/HF/KS/4500/YUC - Front adapter

2904643

https://www.phoenixcontact.com/us/products/2904643

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 45.0 m

UM-2KS50/16DI/RS/Z/C-L/SO225 - Input module

2319472

https://www.phoenixcontact.com/us/products/2319472

FLK 50-PA/EZ-DR/HF/KS/5000/YUC - Front adapter

2904644

https://www.phoenixcontact.com/us/products/2904644

Cast front adapter with attached, halogen-free round cable and a 50-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 50.0 m