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

Commercial data

Item number	2319045
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	CK2A8N
GTIN	4046356340656
Weight per piece (including packing)	803.3 g
Weight per piece (excluding packing)	300 g
Country of origin	DE

Technical data

Product properties

Product type	Interface module
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

Air clearances and creepage distances

Rated insulation voltage	50 V
Rated surge voltage	0.5 kV (1.2/50 μ s)

Supported controller YOKOGAWA ProSafe-RS

Suitable I/O card	SAI143
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Connection data

Field level

Connection method	Spring-cage connection
Number of connections	1
Number of positions	48
Conductor cross section rigid	0.2 mm ² ... 4 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
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	Spring-cage connection
Number of connections	1
Number of positions	6
Conductor cross section rigid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²

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Conductor cross section AWG	24 ... 12
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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	97.9 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	EN IEC 60664-1
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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.

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2319045>



EAC

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

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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

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I
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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	901712ba-32d1-4f6d-b8c4-4cc918352dda

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



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Accessories

FLK 40-PA/EZ-DR/KS/ 100/YUC - Front adapter

2322786

<https://www.phoenixcontact.com/us/products/2322786>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 1.0 m

FLK 40-PA/EZ-DR/KS/ 200/YUC - Front adapter

2314341

<https://www.phoenixcontact.com/us/products/2314341>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 2.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/ 300/YUC - Front adapter

2314354

<https://www.phoenixcontact.com/us/products/2314354>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 3.0 m

FLK 40-PA/EZ-DR/KS/ 400/YUC - Front adapter

2314367

<https://www.phoenixcontact.com/us/products/2314367>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 4.0 m

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



2319045

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FLK 40-PA/EZ-DR/KS/ 500/YUC - Front adapter

2321570

<https://www.phoenixcontact.com/us/products/2321570>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 5.0 m

FLK 40-PA/EZ-DR/KS/ 600/YUC - Front adapter

2314943

<https://www.phoenixcontact.com/us/products/2314943>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 6.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/ 700/YUC - Front adapter

2321583

<https://www.phoenixcontact.com/us/products/2321583>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 7.0 m

FLK 40-PA/EZ-DR/KS/ 800/YUC - Front adapter

2314956

<https://www.phoenixcontact.com/us/products/2314956>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 8.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/ 900/YUC - Front adapter

2321415

<https://www.phoenixcontact.com/us/products/2321415>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 9.0 m

FLK 40-PA/EZ-DR/KS/1000/YUC - Front adapter

2314370

<https://www.phoenixcontact.com/us/products/2314370>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 10.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/1100/YUC - Front adapter

2321428

<https://www.phoenixcontact.com/us/products/2321428>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 11.0 m

FLK 40-PA/EZ-DR/KS/1200/YUC - Front adapter

2321431

<https://www.phoenixcontact.com/us/products/2321431>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 12.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/1300/YUC - Front adapter

2321444

<https://www.phoenixcontact.com/us/products/2321444>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 13.0 m

FLK 40-PA/EZ-DR/KS/1400/YUC - Front adapter

2321457

<https://www.phoenixcontact.com/us/products/2321457>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 14.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/1500/YUC - Front adapter

2314383

<https://www.phoenixcontact.com/us/products/2314383>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 15.0 m

FLK 40-PA/EZ-DR/KS/1600/YUC - Front adapter

2321596

<https://www.phoenixcontact.com/us/products/2321596>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 16.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/1700/YUC - Front adapter

2321606

<https://www.phoenixcontact.com/us/products/2321606>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 17.0 m

FLK 40-PA/EZ-DR/KS/1800/YUC - Front adapter

2321619

<https://www.phoenixcontact.com/us/products/2321619>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 18.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/1900/YUC - Front adapter

2321622

<https://www.phoenixcontact.com/us/products/2321622>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 19.0 m

FLK 40-PA/EZ-DR/KS/2000/YUC - Front adapter

2314532

<https://www.phoenixcontact.com/us/products/2314532>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 20.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/2500/YUC - Front adapter

2314545

<https://www.phoenixcontact.com/us/products/2314545>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 25.0 m

FLK 40-PA/EZ-DR/KS/3000/YUC - Front adapter

2314558

<https://www.phoenixcontact.com/us/products/2314558>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 30.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/3500/YUC - Front adapter

2901017

<https://www.phoenixcontact.com/us/products/2901017>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 35.0 m

FLK 40-PA/EZ-DR/KS/4000/YUC - Front adapter

2901052

<https://www.phoenixcontact.com/us/products/2901052>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 40.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/KS/4500/YUC - Front adapter

2902912

<https://www.phoenixcontact.com/us/products/2902912>



Cast front adapter with attached round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 45.0 m

FLK 40-PA/EZ-DR/HF/KS/ 100/YUC - Front adapter

2904747

<https://www.phoenixcontact.com/us/products/2904747>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 1.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/HF/KS/ 200/YUC - Front adapter

2904748

<https://www.phoenixcontact.com/us/products/2904748>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 2.0 m

FLK 40-PA/EZ-DR/HF/KS/ 300/YUC - Front adapter

2904749

<https://www.phoenixcontact.com/us/products/2904749>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 3.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/HF/KS/ 400/YUC - Front adapter

2904750

<https://www.phoenixcontact.com/us/products/2904750>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 4.0 m

FLK 40-PA/EZ-DR/HF/KS/ 500/YUC - Front adapter

2904645

<https://www.phoenixcontact.com/us/products/2904645>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 5.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/HF/KS/ 600/YUC - Front adapter

2904751

<https://www.phoenixcontact.com/us/products/2904751>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 6 m

FLK 40-PA/EZ-DR/HF/KS/ 700/YUC - Front adapter

2904752

<https://www.phoenixcontact.com/us/products/2904752>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 7.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/HF/KS/ 800/YUC - Front adapter

2904753

<https://www.phoenixcontact.com/us/products/2904753>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 8.0 m

FLK 40-PA/EZ-DR/HF/KS/ 900/YUC - Front adapter

2904754

<https://www.phoenixcontact.com/us/products/2904754>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 9.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/HF/KS/1000/YUC - Front adapter

2904646

<https://www.phoenixcontact.com/us/products/2904646>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 10.0 m

FLK 40-PA/EZ-DR/HF/KS/1500/YUC - Front adapter

2904647

<https://www.phoenixcontact.com/us/products/2904647>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 15.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/HF/KS/2000/YUC - Front adapter

2904488

<https://www.phoenixcontact.com/us/products/2904488>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 20.0 m

FLK 40-PA/EZ-DR/HF/KS/2500/YUC - Front adapter

2904648

<https://www.phoenixcontact.com/us/products/2904648>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 25.0 m

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



2319045

<https://www.phoenixcontact.com/us/products/2319045>

FLK 40-PA/EZ-DR/HF/KS/3000/YUC - Front adapter

2904649

<https://www.phoenixcontact.com/us/products/2904649>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 30.0 m

FLK 40-PA/EZ-DR/HF/KS/3500/YUC - Front adapter

2904650

<https://www.phoenixcontact.com/us/products/2904650>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 35.0 m

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

2319045

<https://www.phoenixcontact.com/us/products/2319045>



FLK 40-PA/EZ-DR/HF/KS/5000/YUC - Front adapter

2904653

<https://www.phoenixcontact.com/us/products/2904653>



Cast front adapter with attached, halogen-free round cable and a 40-pos. socket strip injection-molded on both sides for the connection of Yokogawa controllers. Cable length: 50.0 m

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