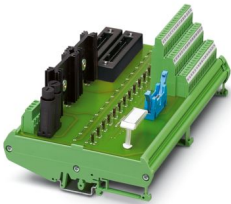


2314710

<https://www.phoenixcontact.com/us/products/2314710>

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16-channel analog module with spring-cage connection. The voltage supply and the 40-pos. system connection are designed redundantly. Suitable for Yokogawa AAI141 and AAI143 cards.

Commercial data

Item number	2314710
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	CK218N
GTIN	4046356148689
Weight per piece (including packing)	300 g
Weight per piece (excluding packing)	300 g
Country of origin	DE

Technical data

Product properties

Product type	Interface module
Number of positions	40
No. of channels	32
	16

Insulation characteristics

Overvoltage category	III
Pollution degree	2

Electrical properties

Nominal voltage U_N	24 V DC $\pm 10\%$
Max. current carrying capacity per branch	100 mA
Max. total current of all branches	2 A (P1+, P2+)

Supported controller YOKOGAWA CS3000 CentumVP

Suitable I/O card	AAI141
	AAI143

Supported controller YOKOGAWA STARDOM

Suitable I/O card	NFAI143
	NFAI143

Connection data

Field level

Connection method	Spring-cage connection
Stripping length	8 mm
Screw thread	M3
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
Note	Usable system cables: Phoenix Contact YUC40, Yokogawa KS1
Tightening torque	0.5 Nm

HART connector

Connection method	HART connector
Number of connections	1

Signaling

Status display present	No
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Dimensions

Item dimensions

Width	214 mm
Height	126 mm
Depth	81 mm

Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	DIN EN 50178
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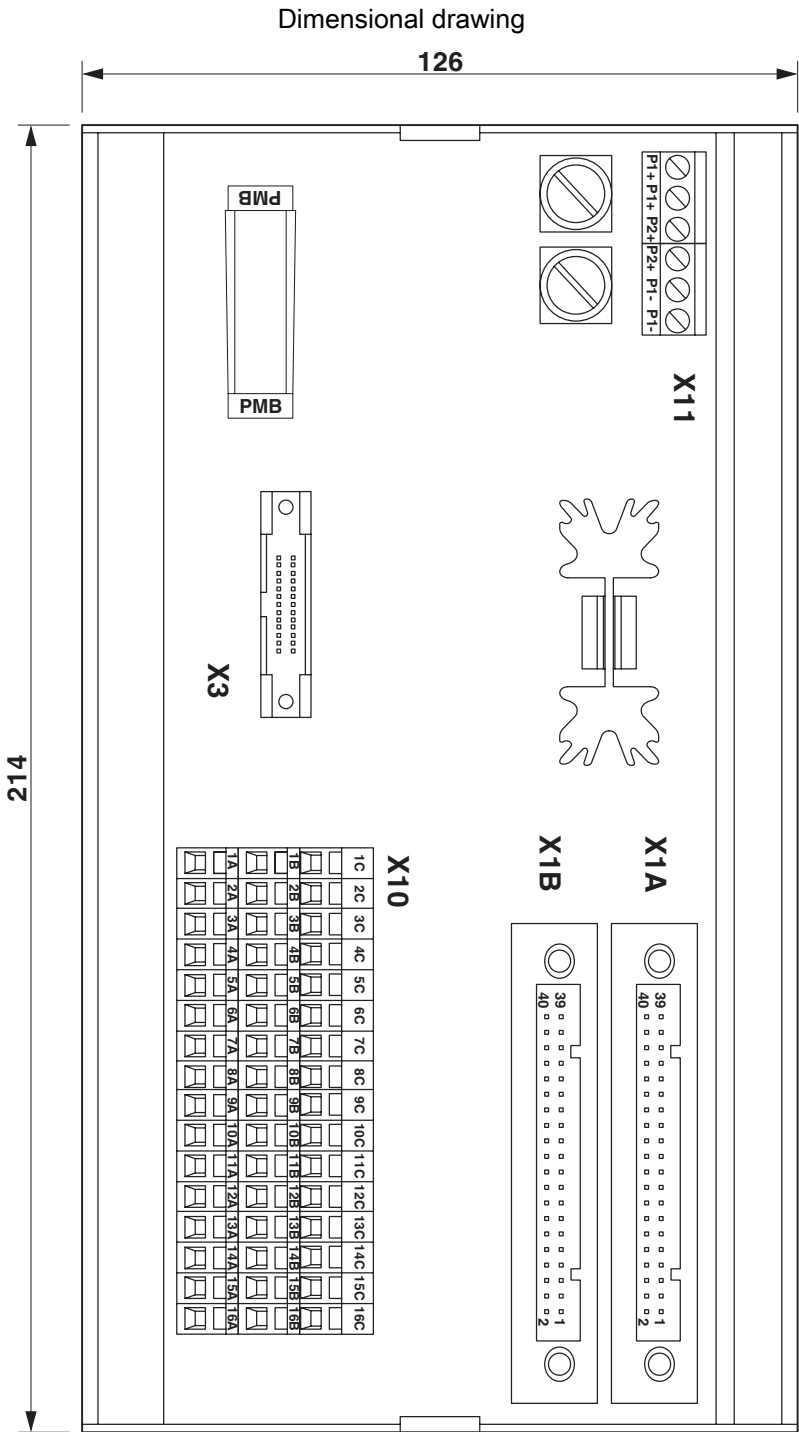
Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
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-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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Drawings



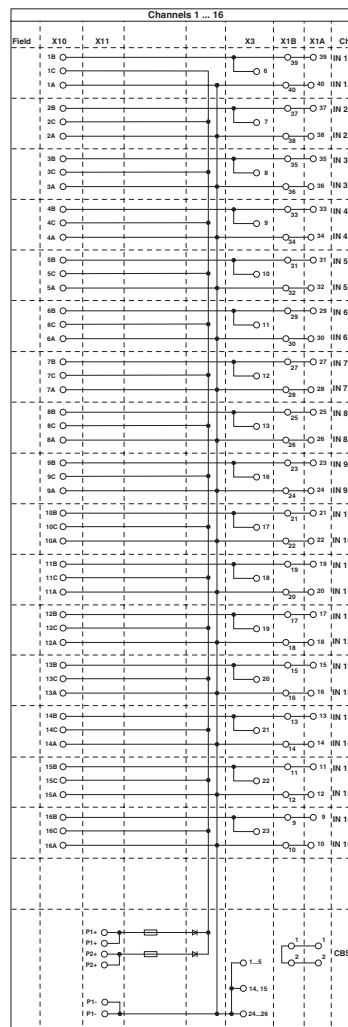
FLKMS-KS40/AI/YCS/ZFKDS - Passive module

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Circuit diagram



FLKMS-KS40/AI/YCS/ZFKDS - Passive module



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Classifications

ECLASS

ECLASS-11.0	27141152
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Environmental product compliance

China RoHS	
Environment friendly use period (EFUP)	<div>EFUP-50</div> <div>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.</div>
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

FLKMS-KS40/AI/YCS/ZFKDS - Passive 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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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

FLKMS-KS40/AI/YCS/ZFKDS - Passive module



2314710

<https://www.phoenixcontact.com/us/products/2314710>

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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