

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

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16-channel analog input module with spring-cage connection and redundant voltage supply. Suitable for Yokogawa AAI141 and AAI143 cards. Connection option for HART multiplexers.



Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	169.960 g
Custom tariff number	85369010
Country of origin	Germany

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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Dimensions

Width	163 mm
Height	126 mm
Depth	65 mm

Ambient conditions

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

General

Note	Voltage monitoring on the module does not work in combination with upstream HESILED fuse terminal blocks with integrated LED display.
Max. perm. operating voltage	24 V DC \pm 10 %

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Technical data

General

Max. permissible current (all branches)	2 A (Redundant (P1+,P2+))
Mounting position	any
Standards/regulations	DIN EN 50178
Rated surge voltage	0.5 kV
Degree of pollution	2
Overvoltage category	II

Connection data for connection 1

Connection name	Field level
Connection method	Spring-cage connection
Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 1.5 mm ²
Conductor cross section AWG	24 ... 14

Connection data for connection 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Torque	0.5 Nm
Number of connections	2
Number of positions	40

Connection data for connection 3

Connection method	HART connector
Number of positions	26

Supported controller

Controller	YOKOGAWA CS3000 CentumVP
- suitable I/O card	AAI141
	AAI143
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFAI141
	NFAI143

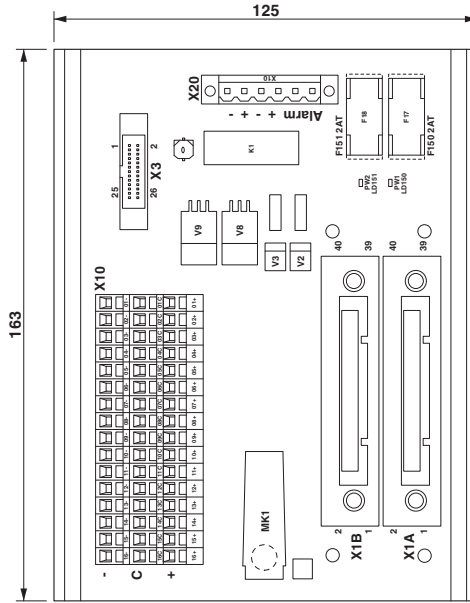
Standards and Regulations

Standards/regulations	DIN EN 50178
Degree of pollution	2
Overvoltage category	II

Drawings

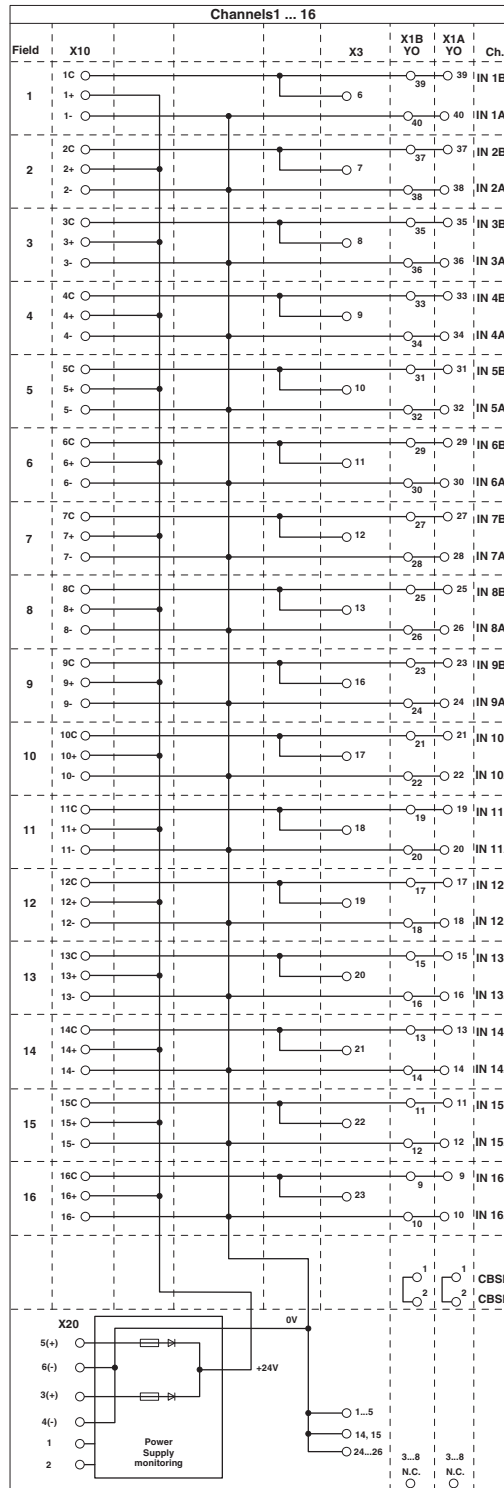
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Dimensional drawing



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Circuit diagram



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Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313
eCl@ss 5.0	27250313
eCl@ss 5.1	27250313
eCl@ss 6.0	27069203
eCl@ss 7.0	27069203
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001437
ETIM 5.0	EC002780

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121421
UNSPSC 11	39121421
UNSPSC 12.01	39121421
UNSPSC 13.2	39121421

Accessories

Accessories

Front adapter

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

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Accessories

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

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

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

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

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

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

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

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

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

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

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

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

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

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

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

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

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

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

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

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

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

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

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

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

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

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

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

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

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

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

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

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

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

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

Front adapters - FLK 40-PA/EZ-DR/HF/KS/ 600/YUC - 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: 60.0 m

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

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

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

Cable - FLK 40-PA/EZ-DR/HF/KS/ 900/YUC - 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

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

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

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

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

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

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

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

Front adapters - FLK 40-PA/EZ-DR/HF/KS/4000/YUC - 2904651



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: 40.0 m

Input module - UM-2KS40/AI16/CS/Z/SO180 - 2311331

Accessories

Front adapters - FLK 40-PA/EZ-DR/HF/KS/4500/YUC - 2904652



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: 45.0 m

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