


Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

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32-channel digital input module with spring-cage connection and redundant voltage supply. Suitable for Yokogawa ADV151 and ADV161 cards.

Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 317733
GTIN	4046356317733

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
Type of note	Notes on operation
Note	Voltage monitoring on the module does not work in combination with upstream HESILED fuse terminal blocks with integrated LED display.

Dimensions

Width	216 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

Nominal voltage U_N	24 V DC $\pm 10\%$
Max. perm. current (per branch)	100 mA
Mounting position	any

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Technical data

Connection data

Connection name	Field level
Connection method	Spring-cage connection
Number of positions	32
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 2

Connection name	Controller level
Connection method	Yokogawa KS-compatible
Number of connections	2
Number of positions	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331
Torque	0.5 Nm

Connection data 3

Connection method	Screw connection
Number of connections	1
Number of positions	6
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 4

Connection name	HART connector
Connection method	HART connector
Number of connections	1
Number of positions	26

Supported controller

Controller	YOKOGAWA CS3000 CentumVP
- suitable I/O card	ADV151
	ADV161
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFDV151
	NFDV161

Standards and Regulations

Standards/regulations	DIN EN 50178
Rated surge voltage	0.5 kV
Pollution degree	2
Overvoltage category	II

Environmental Product Compliance

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

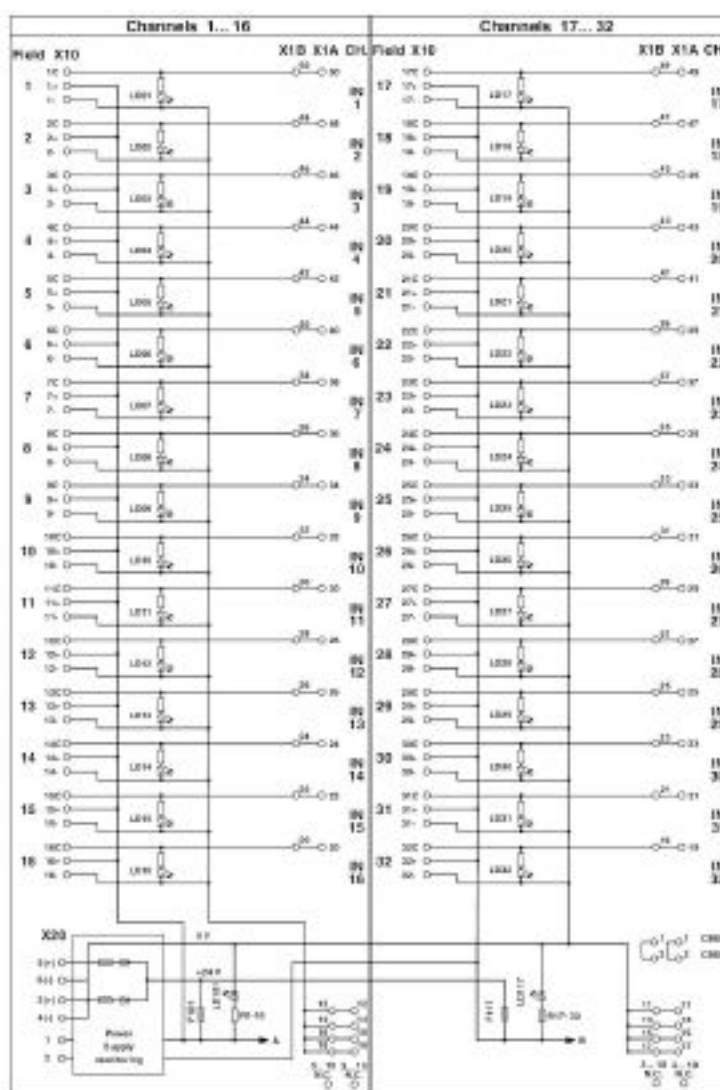
Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

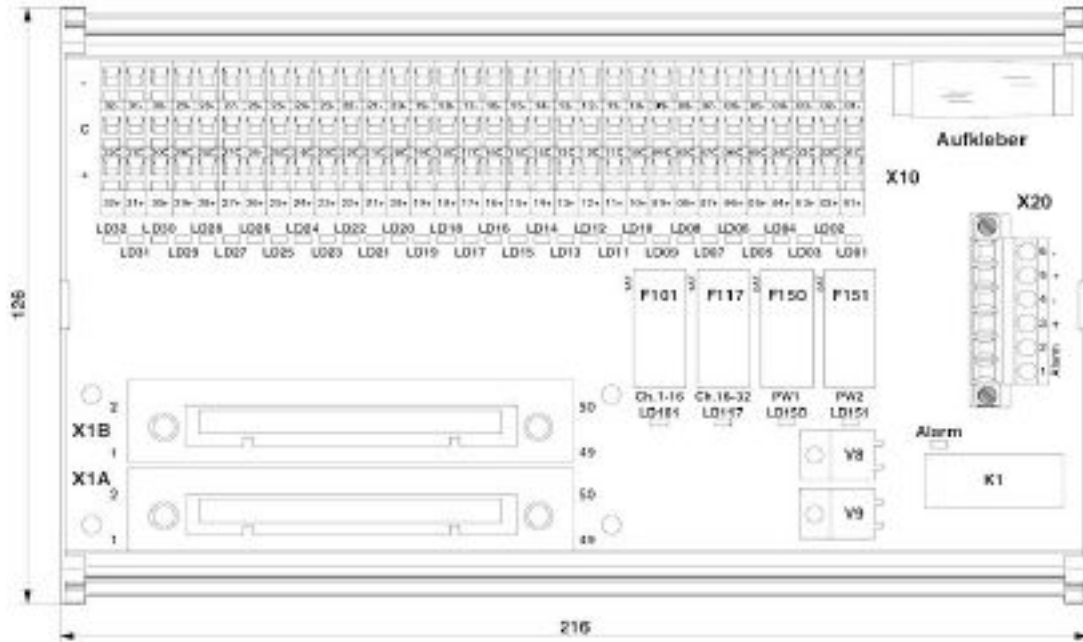
Drawings

Circuit diagram



Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Dimensional drawing



Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 4.0	24010700
eCl@ss 4.1	24010700
eCl@ss 5.0	19030500
eCl@ss 5.1	19030500
eCl@ss 6.0	27069200
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 6.01	30211824
UNSPSC 7.0901	39121421
UNSPSC 11	39121421
UNSPSC 12.01	39121421
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432

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Classifications

UNSPSC

UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals


Approvals

Approvals

CSA / EAC

Ex Approvals

Approval details

CSA		http://www.csagroup.org/services-industries/product-listing/	LR 13631
Nominal voltage UN		24 V	
Nominal current IN		0.05 A	

EAC		RU*- DE.*08.B.01829*
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Accessories

Accessories

Front adapter

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

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Accessories

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

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

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

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

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

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

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

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

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

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

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

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

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

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

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

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

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

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

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

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

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

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

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

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

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

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

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

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

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

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

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

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

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

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

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

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

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

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

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

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

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

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

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

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

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

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

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

System cable

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

Cable - FLK-MIL50/EZ-DR/KS/ 200/YCS - 2314590



Round cable set; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: Yokogawa, KS compatible (1x 50-position); cable length: 2 m

Cable - FLK-MIL50/EZ-DR/KS/ 300/YCS - 2314781



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: Yokogawa, KS compatible (1x 50-position); cable length: 3 m

Cable - FLK-MIL50/EZ-DR/KS/ 400/YCS - 2314794



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: Yokogawa, KS compatible (1x 50-position); cable length: 4 m

Cable - FLK-MIL50/EZ-DR/KS/1000/YCS - 2314804



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: Yokogawa, KS compatible (1x 50-position); cable length: 10 m

Cable - FLK-MIL50/EZ-DR/KS/1500/YCS - 2314817



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 15 m

Passive module - UM-2KS50/DI32/CS/Z/SO180 - 2311360

Accessories

Cable - FLK-MIL50/EZ-DR/KS/2000/YCS - 2314820



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 20 m

Cable - FLK-MIL50/EZ-DR/KS/3000/YCS - 2901018



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 30 m

Cable - FLK-MIL50/EZ-DR/KS/3500/YCS - 2901019



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 35 m

Cable - FLK-MIL50/EZ-DR/KS/4000/YCS - 2901020



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 40 m

Cable - FLK-MIL50/EZ-DR/KS/8000/YCS - 2321868



Assembled shielded round cable; controller: Yokogawa CS3000 CentumVP (ADV561, ADV161); connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 80 m

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PHOENIX CONTACT GmbH & Co. KG
Flachmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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