

## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

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Interface module for Yokogawa ADV 151, ADV 161, ADV 551 and ADV 561 I/O modules with a fuse (5 x 20) and fuse failure display (LED) per channel. Redundant system connection.



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	797.000 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	344 mm
Height	126 mm
Depth	70 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. perm. current (per branch)	100 mA
Max. permissible current (all branches)	4 A
Mounting position	any
Assembly instructions	In rows with zero spacing
Standards/regulations	DIN EN 50178
Rated surge voltage	0.8 kV
Degree of pollution	2
Overvoltage category	III

#### Connection data for connection 1

Connection name	Field level
Connection method	Spring-cage connection
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

#### 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	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331

#### Supported controller

Controller	YOKOGAWA CS3000 CentumVP
- suitable I/O card	ADV151
	ADV161
	ADV551
	ADV561
Controller	YOKOGAWA STARDOM
- suitable I/O card	NFDV151
	NFDV161
	NFDV551
	NFDV561

#### Standards and Regulations

Standards/regulations	DIN EN 50178
Degree of pollution	2

## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Technical data

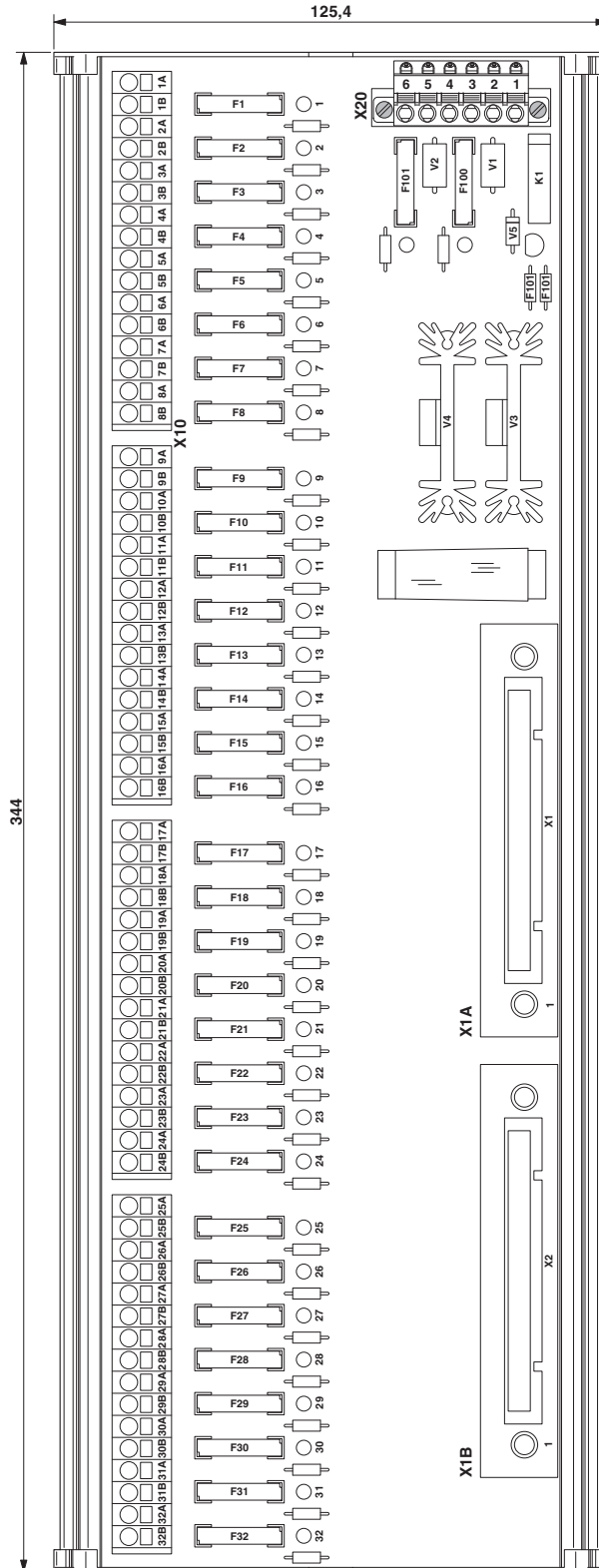
#### Standards and Regulations

Overvoltage category	III
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### Drawings

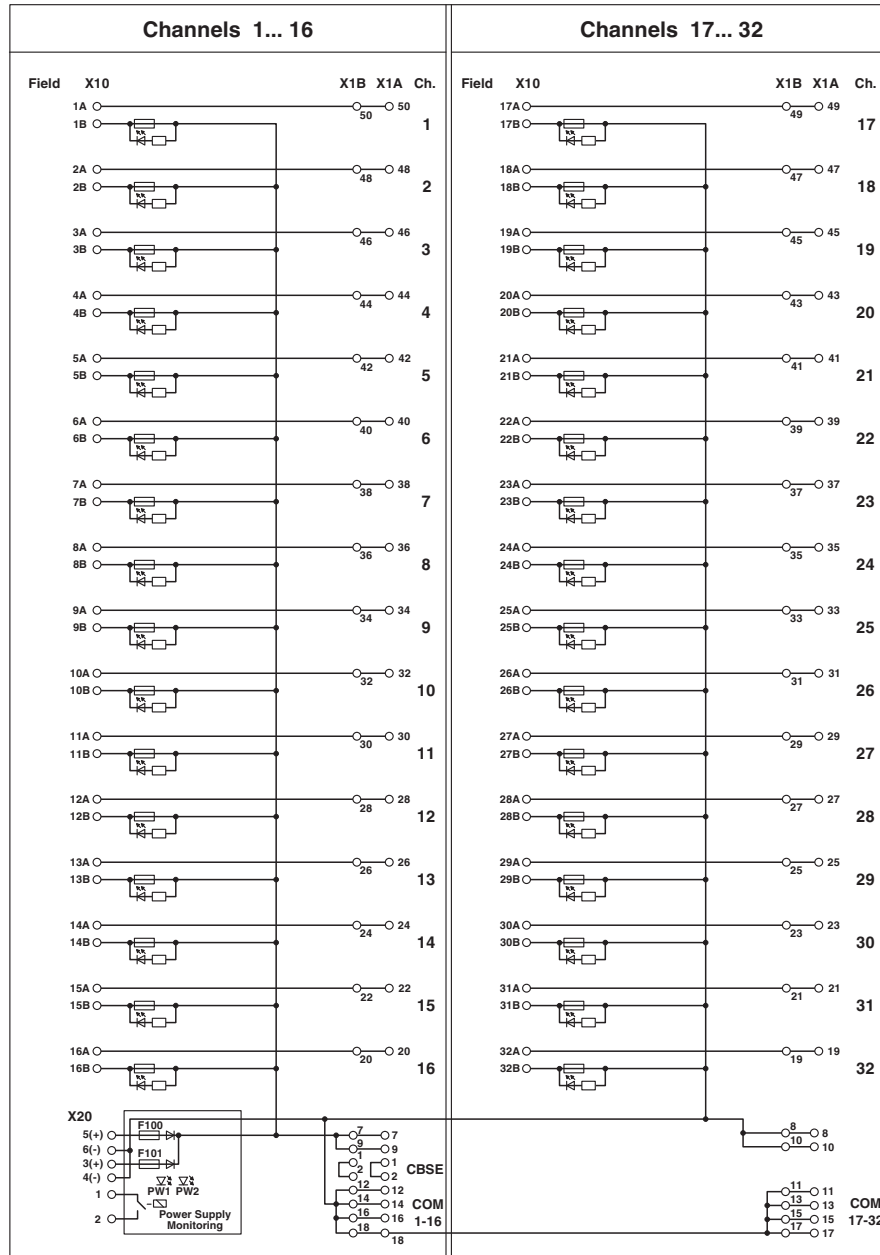
# Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

Dimensional drawing



# Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

Circuit diagram



## Classifications

eCl@ss

eCl@ss 4.0	27250313
eCl@ss 4.1	27250313

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### Classifications

#### eCl@ss

eCl@ss 5.0	27250313
eCl@ss 5.1	27250313
eCl@ss 6.0	27242608
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

#### ETIM

ETIM 2.0	EC001434
ETIM 3.0	EC001604
ETIM 4.0	EC001604
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 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

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

## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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

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#### 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

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#### 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

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#### 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

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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

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#### 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

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#### 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

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#### 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

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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

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#### 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

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#### 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

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#### 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

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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

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#### 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

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#### 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

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#### 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

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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

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#### 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

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#### 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

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#### 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

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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: 60.0 m

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#### 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

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#### 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

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#### 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

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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

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#### 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

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#### 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

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#### 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

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

#### 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

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#### 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

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#### 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

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#### 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

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### System cable

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



Round cable set for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x Yokogawa, KS compatible (50-position), Cable length: 2 m

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## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x Yokogawa, KS compatible (50-position), Cable length: 3 m

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x Yokogawa, KS compatible (50-position), Cable length: 4 m

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x Yokogawa, KS compatible (50-position), Cable length: 10 m

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 15 m

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 20 m

## Passive module - FLKM-2KS50/BFI/SPT/CS - 2321813

### Accessories

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 30 m

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 35 m

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 40 m

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



Assembled shielded round cable for Yokogawa CS3000 CentumVP ADV561, ADV161 with 1 x IDC/FLK socket strip (50-position) on 1 x IDC/FLK socket strip (50-position), Cable length: 80 m