

## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

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32-channel input relay module with spring-cage connection and 50-pos. system connection. The coil side is secured and optionally non-isolated. Suitable for the Yokogawa ADV 151 und ADV 161 cards.



### Key Commercial Data

Packing unit	1 STK
Weight per Piece (excluding packing)	760.000 g
Custom tariff number	85366990
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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#### Ambient conditions

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

#### Input data

Nominal input voltage $U_N$	24 V DC (Supply, 2 A (V1+, V2+), pluggable fuse (IEC 60127-37/IV, 2AT))
Input voltage range in reference to $U_N$	0.9 ... 1.1
Typical input current at $U_N$	7 mA (per channel, pluggable fuse (IEC 60127-3/IV, 1AT))
Protective circuit/component	Damping diode
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode
Operating voltage display	Green LED

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## Technical data

### Input data

Status display/channel	Yellow LED
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### Output data

Contact type	1 N/O contact
Maximum switching voltage	24 V AC/DC
Limiting continuous current	100 mA
Maximum inrush current	1 A (Supply, (P1+, P2+), pluggable fuse (IEC 60127-3/IV, 1AT))

### General

No. of channels	32
Mounting position	any
Standards/regulations	DIN EN 50178
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> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
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	1
Number of positions	50
Note	Usable system cables: Phoenix Contact YUC50, Yokogawa AKB331

### Supported controller

Corresponding control	YOKOGAWA CS3000 CentumVP
Corresponding I/O card	ADV151
	ADV161
Corresponding control	YOKOGAWA STARDOM
Corresponding I/O card	NFDV151
	NFDV161

### Standards and Regulations

Standards/regulations	DIN EN 50178
Degree of pollution	2

# Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

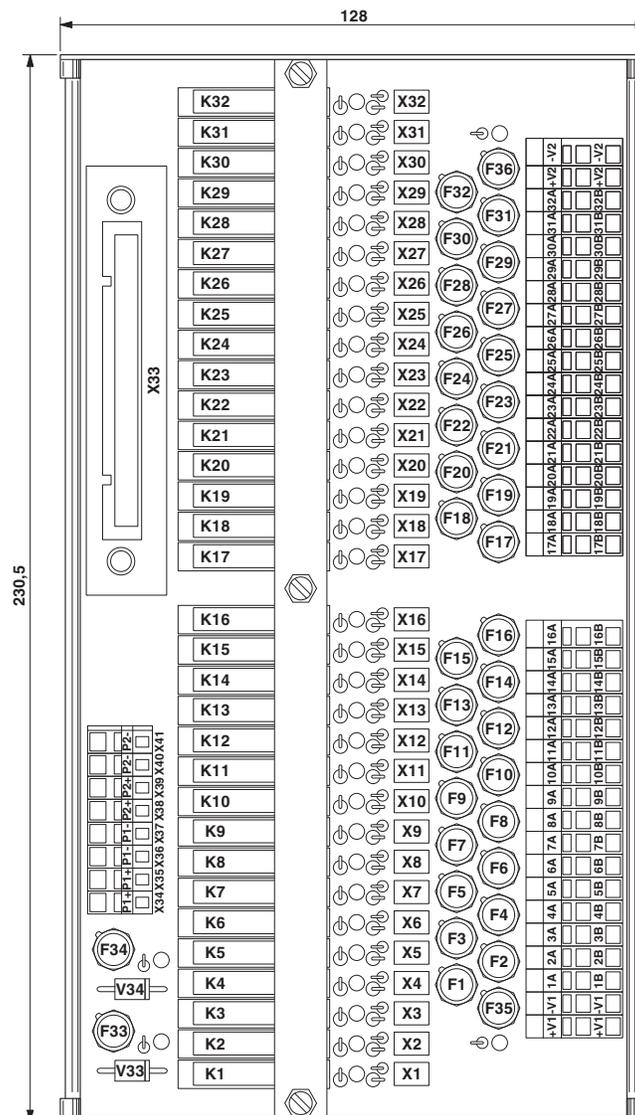
## Technical data

## Standards and Regulations

Overvoltage category	III
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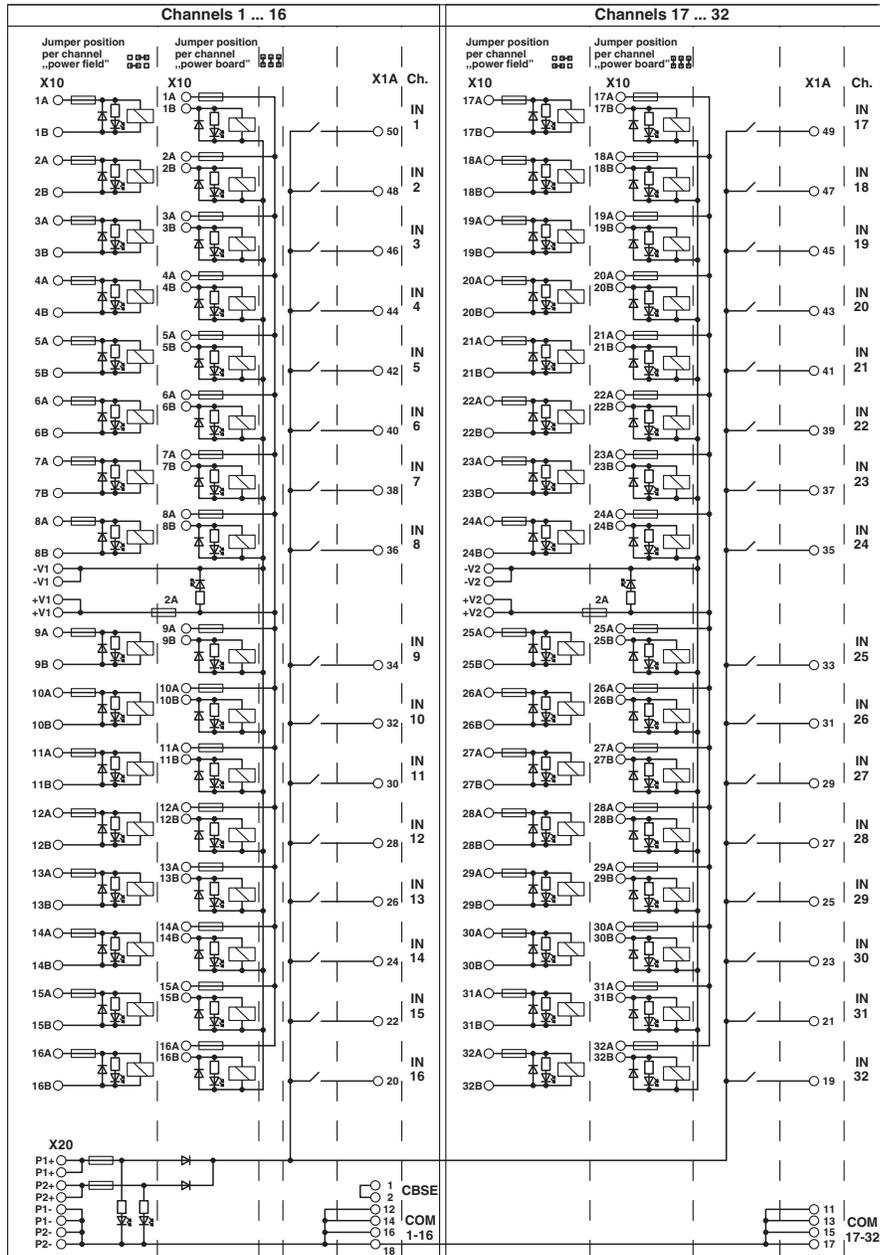
## Drawings

Dimensional drawing



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Circuit diagram



## Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102

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### Classifications

#### eCl@ss

eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

#### ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC002780

#### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

### Approvals

#### Approvals

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#### Approvals

EAC

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#### Ex Approvals

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#### Approval details

EAC EAC-Zulassung
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### Accessories

#### Accessories

Front adapter

## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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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

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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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

#### 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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#### 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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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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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## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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### Fuse

Fuse set - VF-SI/TR5/2AT - 2900996



Fuse set, Number: 8 Pcs., Fuse type: Fuse (TR5), Nominal current: 2 A, Tripping characteristic: slow-blow (T)

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Fuse set - VF-SI/TR5/1AT - 2901005



Fuse set, Number: 8 Pcs., Fuse type: Fuse (TR5), Nominal current: 1 A, Tripping characteristic: slow-blow (T)

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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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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

## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

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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

#### 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

#### 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

#### 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

#### 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

## Active module - UM-KS50/32-MR/21/ADV151/SO207 - 2311111

### Accessories

#### 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

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