

## Front adapters - FLK 50-PA/EZ-DR/HF/KS/3500/YOC - 2904999


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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 ProSafe controllers. Cable length: 35.0 m



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 906814
GTIN	4046356906814

### Technical data

#### Note

Type of note	Notes on operation
Note	No additional touch protection is required when using a SELV/PELV voltage ( $\leq 25$ V AC or 60 V DC).

#### Ambient conditions

Ambient temperature (operation)	-40 °C ... 70 °C (fixed installation)
	-10 °C ... 70 °C (flexible installation)
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Maximum altitude	$\leq 2000$ m
Degree of protection	IP20
	$\geq$ IP54 (Installation location)

#### General

Max. permissible operating voltage	30 V DC
Max. permissible current	500 mA (per path)
Mounting position	any
Nominal operating mode	100% operating factor

#### Standards and Regulations

Flame resistance	IEC 60332-3-22
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## Technical data

### Standards and Regulations

	IEC 60332-1-2
	VDE 0842, Part 332-1-2
Resistance to oil	against occasional splashes
Gasoline resistance	against occasional splashes
Designation	Air clearances and creepage distances
Standards/regulations	DIN EN 50178
Rated insulation voltage	63 V
Rated surge voltage	0.6 kV
Insulation	Functional insulation
Pollution degree	2
Overvoltage category	II

### Connection data

Connection name	Controller level
Connection method	Yokogawa, I/O cards compatible
Number of connections	1
Number of positions	50
Torque	0.5 Nm (Screw connection)
Insertion/withdrawal cycles	> 50

### Connection data 2

Connection name	Field level
Connection method	Yokogawa, KS compatible
Number of connections	1
Number of positions	50
Torque	0.5 Nm (Screw connection)
Insertion/withdrawal cycles	> 50

### Cable

Conductor construction: Number of litz wires:	7
Single wire, material	Cu tin-plated
Single wire, cross section	0.14 mm <sup>2</sup>
Shielding	Tinned copper-braided shield, approx. 85% covering
Length of cable	35 m
Outer sheath, material	Halogen-free sheath
External sheath, color	gray
Shielding	yes
Halogen-free cable	Yes
Cable insulation resistance	≥ 20 MΩ/km
Cable resistance	≤ 145 Ω/km

### Supported controller

Controller	Yokogawa ProSafe-RS
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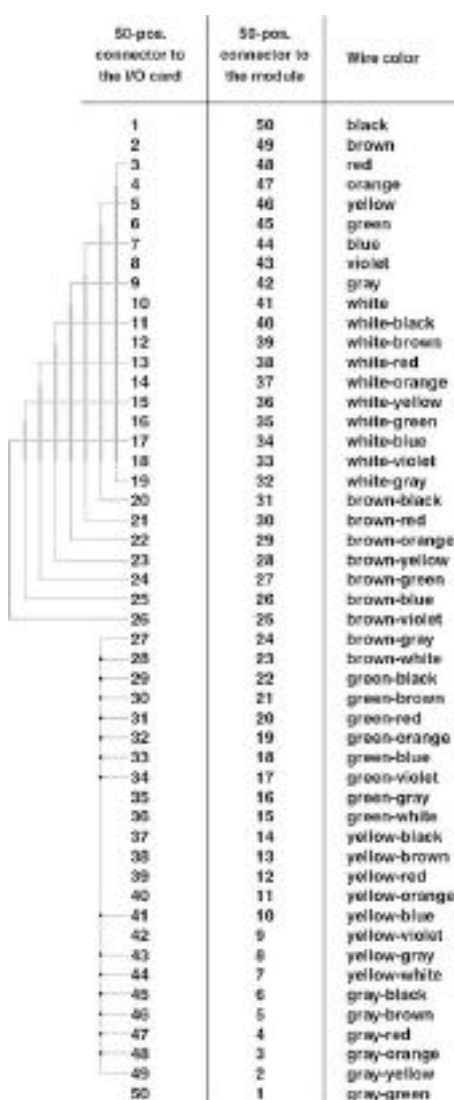
## Technical data

### 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

Connection diagram



## Classifications

eCI@ss

eCI@ss 10.0.1	27242292
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## Classifications

### eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27249200
eCl@ss 7.0	27249290
eCl@ss 8.0	27249290
eCl@ss 9.0	27242292

### ETIM

ETIM 4.0	EC002584
ETIM 5.0	EC002584
ETIM 6.0	EC002584
ETIM 7.0	EC002584

### UNSPSC

UNSPSC 13.2	32151601
UNSPSC 18.0	32151601
UNSPSC 19.0	32151601
UNSPSC 20.0	32151601
UNSPSC 21.0	32151601

## Approvals

### Approvals

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#### Approvals


UL Listed / cUL Listed / EAC / cULus Listed

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#### Ex Approvals

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### Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
Nominal voltage UN	125 V		
Nominal current IN	0.5 A		

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## Approvals

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Nominal current IN		0.5 A	

EAC		RU C- DE.A*30.B00767
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cULus Listed	
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## Accessories

### Accessories

#### Marker carrier cable

Cable marker carrier - KME - 0807083



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable binders, cable diameter: > 5 mm, lettering field size: 20 mm x 8 mm

### Spare parts

Screw set - VF-SCREW-YOKOGAWA/M3X18/DCS - 2902873



Replacement screw M3x18 for Yokogawa system cable, front adapter control side.

Screw set - VF-SCREW-YOKOGAWA/M4X25/KS - 2902874



Replacement screw M4x25 for Yokogawa system cable, module side.

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