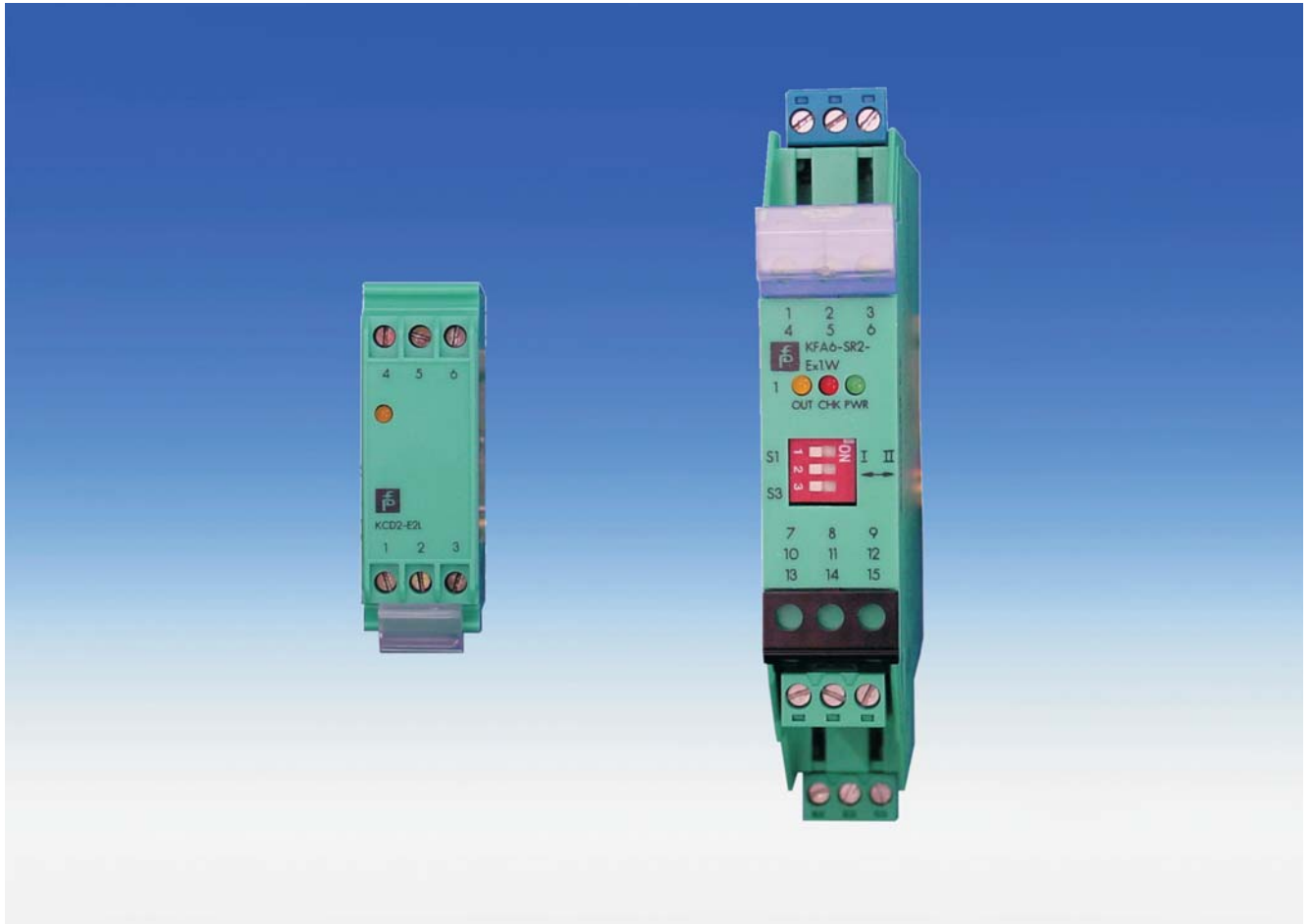


Controllers for SM - 6 / SM - 6 - V



A variety of controllers is available for the SM-6 flow meter.

For intrinsically safe circuits, use the Model KFD/KFA single channel controller. This model features an alarm relay (change over contact), broken wire detection, and 3 status indicator LEDs for power, alarm and broken wire.

Also available is Model KCD – a single channel amplifier in a compact housing with LED status indication and broken wire detection.

- **Rail mounting (DIN EN 50022)**
- **Intrinsically safe inputs**
- **ATEX, FM, UL, CSA approvals**

Technical Data: Flow Sensor

Protection class	IP 67 DIN 40050	Approved by	PTB 99 ATEX 2128X
Ambient temperature	-20...+70°C		Ex II 2 G EExia II C T6
Operating	Bi-stable		For drawing see data sheet flow meter SM-6
Cable length	2m		

Technical Data: Controllers

	KFD 2-SR2-Ex 1.W	KFA 5-SR2-Ex 1.W	KFA 6-SR2-Ex 1.W	KCD2-E2L 24
Power supply	20 - 30 V DC	103.5 - 126 V AC 45 - 65 Hz	207 - 253 V AC 45 - 65 Hz	24 V DC
Intrinsically safe acc. to Broken wire detection	EN 50 020 Yes	EN 50 020 Yes	EN 50 020 Yes	No Yes
Approved by	PTB 00 ATEX 2080 ExII(1)GD [Eex ia]IIC	PTB 00 ATEX 2081 ExII(1)GD [Eex ia]IIC	PTB 00 ATEX 2081 ExII(1)GD [Eex ia]IIC	
	UL Class I Groups A, B, C, D Class II Groups E, F, G	UL Class I Groups A, B, C, D Class II Groups E, F, G	UL Class I Groups A, B, C, D Class II Groups E, F, G	
	CSA Class I, Div. 1 Groups A, B, C, D Class II, Div. 1 Groups E, F, G	CSA Class I, Div. 1 Groups A, B, C, D Class II, Div. 1 Groups E, F, G	CSA Class I, Div. 1 Groups A, B, C, D Class II, Div. 1 Groups E, F, G	
		Others on request		
<i>Output</i> (not intrinsically safe)	Change over	Change over	Change over	Closing PNP-Transistor
Switch power output	230 V AC, 2 A cos φ > 0.7 40 V DC, 2 A Resistance load	230 V AC, 2 A cos φ > 0.7 40 V DC, 2 A Resistance load	230 V AC, 2 A cos φ > 0.7 40 V DC, 2 A Resistance load	200 mA DC
Ambient temperature	-20...+60°C	-20...+60°C	-20...+60°C	-25...+70°C
Protection class	IP 20	IP 20	IP 20	IP 20
Dimensions	WxHxD 20x118x115mm	WxHxD 20x118x115mm	WxHxD 20x118x115mm	WxHxD 20x63x44mm

Please indicate with order

Part no.	Description
91 000 700 04	Controller, KFD2-SR2-Ex 1.W, 24 V DC
91 000 700 05	Controller, KFA5-SR2-Ex 1.W, 115 V AC
91 000 700 06	Controller, KFA6-SR2-Ex 1.W, 230 V AC
91 000 700 07	Controller, KCD2-E2L, 24 V DC
49 490 19	Flow sensor