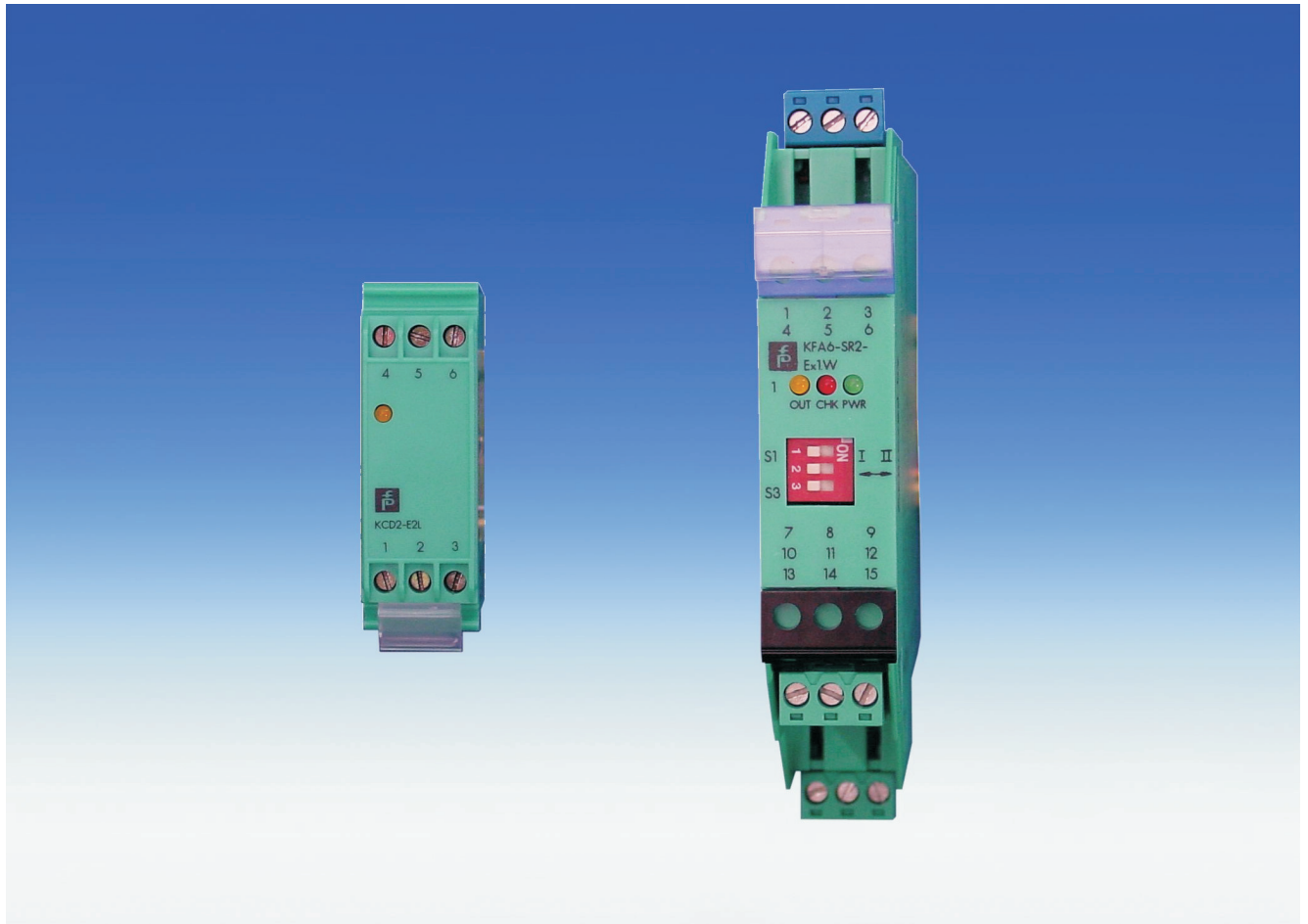


Controllers for SM - 6 / SM - 6 - V



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	-5 - 160 °F	Ex II 2 G EExia II C T6
Operation	Bi-stable	For drawing see data sheet for Flow meter SM-6
Standard cable length	2 m (approx. 79")	

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		
Output (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	-5 - 140 °F	-5 - 140 °F	-5 - 140 °F	-15 - 160 °F
Protection class	IP 20	IP 20	IP 20	IP 20
Dimensions	WxHxD 20 x 118 x 115 mm 0.79 x 4.95 x 4.53"	WxHxD 20 x 118 x 115 mm 0.79 x 4.95 x 4.53"	WxHxD 20 x 118 x 115 mm 0.79 x 4.95 x 4.53"	WxHxD 20 x 63 x 44 mm 0.79 x 2.48 x 1.73"

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