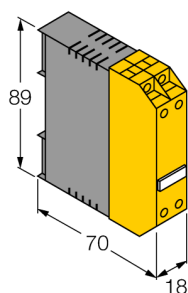


Processor Unit

For the Connection of FCS Product Series Non-Ex Flow Sensors

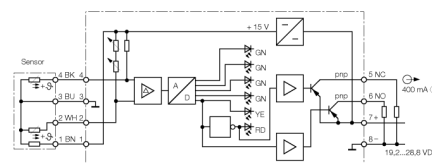
Device with Transistor Switching Output (PNP)

MK96-VP01



- For connection of a standard flow sensor
- Adjustment via potentiometer
- 6 LEDs for display of the flow state
- 2-wire DC, 19.2...28.8 VDC
- Antivalent PNP output

Wiring Diagram



Functional principle

The signal processors not only supply immersion and inline flow sensors with voltage, they also process and display measured signals. Devices of the MK96... and FM-IM-... models are available. The individual models are designed for different operating voltages and feature various output and supplementary functions. For Ex flow sensors, it is required to use signal processors with intrinsically safe input circuits of the FMX-IM-... product series.

ID	7525002
Type	MK96-VP01
Ambient temperature	-20...+60 °C
Operating voltage U_s	19.2...28.8 VDC
Current consumption	≤ 65 mA
Output function	PNP, NO/NC
Rated operational current	0.4 A
Voltage drop at I_s	≤ 1.5 V
Short-circuit protection	yes
Reverse polarity protection	yes
Protection class	IP20
Protection class (terminals/housing)	IP20 / IP40
Design	Signal processor
Dimensions	70 x 18 x 89 mm
Housing material	Plastic, Polycarbonate/ABS
Electrical connection	Terminal chamber
Switching state	LED chain, Green/yellow/red
Indication: Drop below setpoint	LED Red
Indication: Setpoint reached	LED Yellow
Indication: Setpoint exceeded	4 × LEDs Green
Tests/approvals	