



## Flow Monitor STD

According to the thermodynamic principle for fluids in high-pressure pipelines



D-EN-STD-20200318

- Pressure resistant up to 600 bar
- Temperature gradient 250 °C / min
- Temperature resistant up to 120 °C



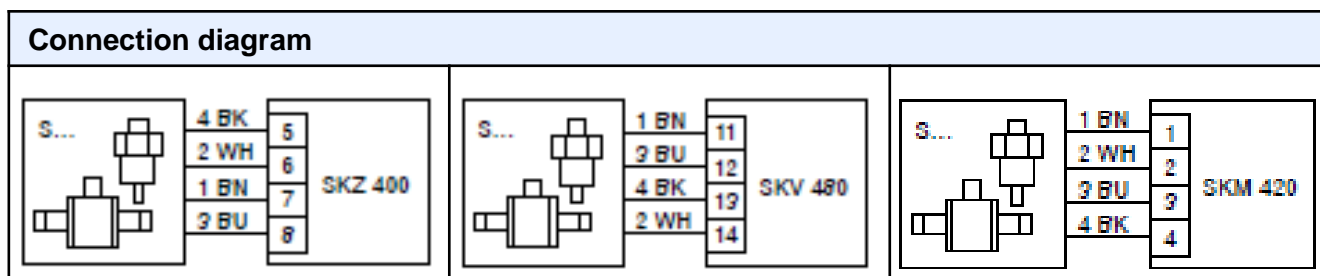
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Technical drawings	
<b>G 1/2, G 3/4</b> <b>STD...K</b>	<b>G 1/2, G 3/4</b> <b>STD...K</b>

Type	Ordering-No.	Design		
STD 421 K-A4	P10611	G $\frac{1}{2}$	Stainless steel A4	Fixed cable
STD 421 S-A4	P10613	G $\frac{1}{2}$	Stainless steel A4	M12 connector
STD 431 K-A4	P10615	G $\frac{3}{4}$	Stainless steel A4	Fixed cable
STD 431 S-A4	P10617	G $\frac{3}{4}$	Stainless steel A4	M12 connector

Note: Different designs, materials or electrical data on request



Color code: BK = black BN = brown BU = blue GN = green YE = yellow GY = grey PK = pink WH = white

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Technical data	
Detection area	
Oil	1...150 cm/s    nominal value 20 cm/s
Water	3...300 cm/s    nominal value 60 cm/s
Media temperature	-20...+80 °C    (120 °C on request)
Temperature gradient	250 °C
Temperatursprungzeit	typ. 12 s
Standby time	typ. 8 s    (2...15 s)
Turn-on time	typ. 2 s    (1...13 s)
Turn-off time	typ. 2 s    (1...15 s)
Compression strength	400 bar (alternating pressure) 600 bar (static pressure)
Protection class (EN 60529)	IP 68 (fixed cable) IP 67 (connector)
Sensor material	Stainless steel A4 (1.4571)
Connection	
- Connector	Universal M12 connector system
- Fixed cable	2 m PVC cable 4 x 0,25 mm <sup>2</sup>

Accessories						
SLG 4-2	Z00445	M12 cable socket	DC	straight	2 m PVC cable	4 x 0,25 mm <sup>2</sup>
SLW 4-2	Z00446	M12 cable socket	DC	angle	2 m PVC cable	4 x 0,25 mm <sup>2</sup>
SLG 4-5	Z00449	M12 cable socket	DC	straight	2 m PVC cable	4 x 0,25 mm <sup>2</sup>
SLW 4-5	Z00450	M12 cable socket	DC	angle	2 m PVC cable	4 x 0,25 mm <sup>2</sup>

Combinations of sensor evaluation device			
	SKZ 400	SKM 420	SKV 480
STD...	✓	✓	✓

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