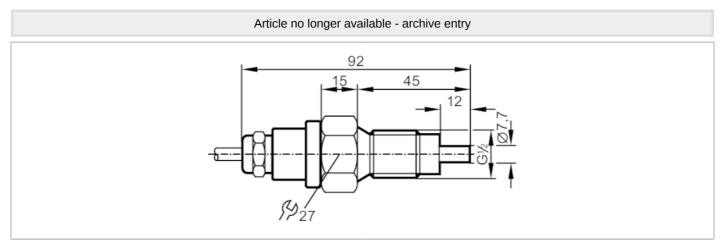
# SF3213

### Flow sensor for connection to an evaluation unit



SFR12ABBE0/20M



Process connection         G 1/2 external thread           Application         Ex zone 0           Medium temperature         [°C]         -2060           Pressure rating         [bar]         30           Liquids         Application         Ex zone 0           Medium temperature         [°C]         -2060           Gases         Medium temperature         [°C]         -2060           Electrical data         V\$ 0200 Exi           Measuring/setting range         Connection to control monitor         V\$ 0200 Exi           Measuring/setting range         [cm/s]         3300           Greatest sensitivity         [cm/s]         3300           Greatest sensitivity         [cm/s]         360           Gases         Setting range         [cm/s]         2002000           Greatest sensitivity         [cm/s]         2002000           Greatest sensitivity         [cm/s]         15           Response times         [s]         110           Response time         [s]         110           Gases         Response time         [s]         110           Gases         Response time         [s]         110           Operating conditions	Product characteristics	;	
Application   Ex zone 0   Medium temperature   [°C]   -2060   Pressure rating   [bar]   30   Liquids	Process connection		G 1/2 external thread
Medium temperature         [°C]         -2060           Pressure rating         [bar]         30           Liquids         Section of the product of the	Application		
Pressure rating         [bar]         30           Liquids         Ex zone 0           Application         Ex zone 0           Medium temperature         [°C]         -2060           Gases         Medium temperature         [°C]         -2060           Electrical data         Connection to control monitor         VS 0200 Exi           Measuring/setting range         Liquids           Setting range         [cm/s]         3300           Greatest sensitivity         [cm/s]         360           Gases         Setting range         [cm/s]         2002000           Greatest sensitivity         [cm/s]         2002000           Greatest sensitivity         [cm/s]         200800           Accuracy / deviations         Temperature gradient         [K/min]         15           Response times         [s]         110           Liquids         Response time         [s]         110           Gases         8         110           Operating conditions         110	Application		Ex zone 0
Liquids         Application         Ex zone 0           Medium temperature         [°C]         -2060           Gases	Medium temperature	[°C]	-2060
Application         Ex zone 0           Medium temperature         [°C]         -2060           Gases        10        10           Medium temperature         [°C]         -2060           Electrical data	Pressure rating	[bar]	30
Medium temperature         [°C]         -2060           Gases         Medium temperature         [°C]         -2060           Electrical data         Connection to control monitor         VS 0200 Exi           Measuring/setting range         Liquids           Setting range         [cm/s]         3300           Greatest sensitivity         [cm/s]         2002000           Greatest sensitivity         [cm/s]	Liquids		
Gases           Medium temperature         [°C]         -2060           Electrical data           Connection to control monitor         VS 0200 Exi           Measuring/setting range           Liquids           Setting range         [cm/s]         3300           Greatest sensitivity         [cm/s]         360           Geses           Setting range         [cm/s]         2002000           Greatest sensitivity         [cm/s]         200800           Accuracy / deviations           Temperature gradient         [K/min]         15           Response times           Response times           Response time         [s]         110           Gases           Response time         [s]         110           Operating conditions	Application		Ex zone 0
Medium temperature         [°C]         -2060           Electrical data           Connection to control monitor         VS 0200 Exi           Measuring/setting range           Liquids           Setting range         [cm/s]         3300           Greatest sensitivity         [cm/s]         3300           Gases           Setting range         [cm/s]         2002000           Greatest sensitivity         [cm/s]         200800           Accuracy / deviations           Temperature gradient         [K/min]         15           Response times           Response time         [s]         110           Liquids           Response time         [s]         110           Gases           Response time         [s]         110           Operating conditions	Medium temperature	[°C]	-2060
Electrical data           Connection to control monitor         VS 0200 Exi           Measuring/setting range           Liquids         3300           Setting range         [cm/s]         3300           Greatest sensitivity         [cm/s]         2002000           Greatest sensitivity         [cm/s]         2002000           Greatest sensitivity         [cm/s]         200800           Accuracy / deviations           Temperature gradient         [K/min]         15           Response times           Response time         [s]         110           Liquids         Response time         [s]         110           Gases         Response time         [s]         110           Operating conditions	Gases		
Connection to control monitor         VS 0200 Exi           Measuring/setting range           Liquids         3300           Setting range         [cm/s]         360           Gases         Setting range         [cm/s]         2002000           Greatest sensitivity         [cm/s]         200800           Accuracy / deviations         Temperature gradient         [K/min]         15           Response times         [s]         110           Liquids         Response time         [s]         110           Gases         Response time         [s]         110           Operating conditions         110         110	Medium temperature	[°C]	-2060
Measuring/setting range	Electrical data		
Liquids         Setting range       [cm/s]       3300         Greatest sensitivity       [cm/s]       360         Gases       Setting range       [cm/s]       2002000         Greatest sensitivity       [cm/s]       200800         Accuracy / deviations         Temperature gradient       [K/min]       15         Response times         Response time       [s]       110         Liquids       Response time       [s]       110         Gases       Response time       [s]       110         Operating conditions       0	Connection to control mo	nitor	VS 0200 Exi
Setting range       [cm/s]       3300         Greatest sensitivity       [cm/s]       360         Setting range       [cm/s]       2002000         Greatest sensitivity       [cm/s]       200800         Accuracy / deviations         Temperature gradient       [K/min]       15         Response times         Response time       [s]       110         Liquids       110         Gases       Response time       [s]       110         Gases       Response time       [s]       110         Operating conditions	Measuring/setting range	е	
Greatest sensitivity       [cm/s]       360         Gases       2002000       2002000         Greatest sensitivity       [cm/s]       200800         Accuracy / deviations         Temperature gradient       [K/min]       15         Response times         Response time       [s]       110         Liquids       Response time       [s]       110         Gases       Response time       [s]       110         Operating conditions       0       0       0	Liquids		
Gases         Setting range       [cm/s]       2002000         Greatest sensitivity       [cm/s]       200800         Accuracy / deviations         Temperature gradient       [K/min]       15         Response times         Response time       [s]       110         Liquids       Response time       [s]       110         Gases       Response time       [s]       110         Operating conditions       0       0       0	Setting range	[cm/s]	3300
Setting range         [cm/s]         2002000           Greatest sensitivity         [cm/s]         200800           Accuracy / deviations           Temperature gradient         [K/min]         15           Response times           Response time         [s]         110           Liquids         Response time         [s]         110           Gases         Response time         [s]         110           Operating conditions         110         110	Greatest sensitivity	[cm/s]	360
Greatest sensitivity [cm/s] 200800  Accuracy / deviations Temperature gradient [K/min] 15  Response times Response time [s] 110  Liquids Response time [s] 110  Gases Response time [s] 110  Operating conditions	Gases		
Accuracy / deviations  Temperature gradient [K/min] 15  Response times  Response time [s] 110  Liquids  Response time [s] 110  Gases  Response time [s] 110  Operating conditions	Setting range	[cm/s]	2002000
Temperature gradient         [K/min]         15           Response times           Response time         [S]         110           Liquids         Response time         [S]         110           Gases         Response time         [S]         110           Operating conditions         0         0	Greatest sensitivity	[cm/s]	200800
Response times           Response time         [s]         110           Liquids         110           Response time         [s]         110           Gases         110           Operating conditions         110	Accuracy / deviations		
Response time       [s]       110         Liquids       110         Response time       [s]       110         Gases       110         Response time       [s]       110         Operating conditions	Temperature gradient	[K/min]	15
Liquids  Response time [s] 110  Gases  Response time [s] 110  Operating conditions	Response times		
Response time         [s]         110           Gases         110           Response time         [s]         110           Operating conditions         110	Response time	[s]	110
Gases  Response time [s] 110  Operating conditions	Liquids		
Response time [s] 110  Operating conditions	Response time	[s]	110
Operating conditions	Gases		
	Response time	[s]	110
Protection IP 67	Operating conditions		
	Protection		IP 67

# SF3213

#### Flow sensor for connection to an evaluation unit



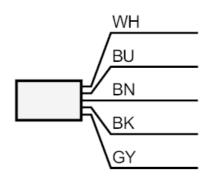
SFR12ABBE0/20M

Mechanical data		
Housing	threaded type	
Materials	stainless steel (1.4571/316Ti )	
Materials (wetted parts)	stainless steel (1.4571/316Ti )	
Process connection	G 1/2 external thread	
Remarks		
Pack quantity	1 pcs.	

### **Electrical connection**

Cable: 20 m, TPE-S; Maximum cable length: 100 m;  $5 \times 0.34 \text{ mm}^2$ 

#### Connection



Core colours :

BN = brown

BU = blue

BK = black