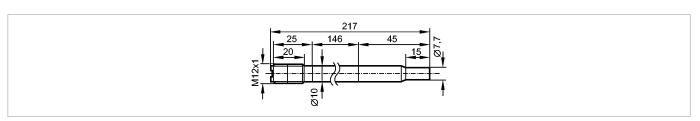


SF6200

SFG10ABB /US-100 Flow sensors





Product characteristics	LISTED						
Quick disconnect Process connection: Ø 10 mm Sensor suitable for clamp fitting Application Application liquids and gases Pressure rating [bar] Medium temperature [°C] Electrical data Connection to control monitor Connection to control monitor VS3000 Measuring / setting range [cm/s] Liquids Setting range Setting range [cm/s] Greatest sensitivity [cm/s] Gases Setting range Setting range [cm/s] Greatest sensitivity [cm/s] Greatest sensitivity [cm/s] Greatest sensitivity [cm/s] Greatest sensitivity [cm/s] Accuracy / deviations 30 Max. temperature gradient of medium [k/min] Response time [s] 110 Environment [s] 110 Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration r	Product characteristics	;					
Process connection: Ø 10 mm	Flow sensor for connection to evaluation units						
Application	Quick disconnect	Quick disconnect					
Application	Process connection: Ø 10	Process connection: Ø 10 mm					
Application liquids and gases Pressure rating [bar] 30 Medium temperature [*C] -2580 Electrical data Connection to control monitor V\$3000 Measuring / setting range Connection V\$3000 Measuring / setting range Cm/s 3300 Greatest sensitivity [cm/s 360 Gases Setting range [cm/s 2003000 Greatest sensitivity [cm/s 2003000 Accuracy / deviations Accuracy / deviations Max. temperature gradient of medium [k/min] 30 Reaction times Response time [s] 110 Environment Protection IP 67 Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded	Sensor suitable for clamp	fitting					
Pressure rating [bar] 30 Medium temperature [°C] -2580	Application						
Medium temperature ["C] -2580	Application			liquids and gases			
Connection to control monitor	Pressure rating	[bar]		30			
Neasuring / setting range Cem/s 3300 Setting range Cem/s 3300 Greatest sensitivity Cem/s 360 Gases Setting range Cem/s 2003000 Greatest sensitivity Cem/s 2003000 Greatest sensitivity Cem/s 200800 Accuracy / deviations	Medium temperature	[°C]		-2580			
Liquids Setting range Cm/s 3300 Setting range Cm/s 3300 Setting range Cm/s 360 Setting range Cm/s 360 Setting range Cm/s 2003000 Setting range Cm/s 2003000 Setting range Cm/s 200800 Setting rang	Electrical data						
Liquids Setting range [cm/s] 3300 Greatest sensitivity [cm/s] 360 Gases Setting range [cm/s] 2003000 Greatest sensitivity [cm/s] 200800 Accuracy / deviations Max. temperature gradient of medium [K/min] 30 Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 1	Connection to control monitor		VS3000				
Setting range [cm/s] 3300 Greatest sensitivity [cm/s] 360 Gases Setting range [cm/s] 2003000 Greatest sensitivity [cm/s] 200800 Accuracy / deviations Max. temperature gradient of medium [K/min] 30 Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²	Measuring / setting ran	ge					
Greatest sensitivity [cm/s] 360	Liquids						
Gases Setting range [cm/s] 2003000 Greatest sensitivity [cm/s] 200800 Accuracy / deviations Max. temperature gradient of medium [K/min] 30 Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] <td< td=""><td>Setting range</td><td>[cm/s]</td><td></td><td>3300</td></td<>	Setting range	[cm/s]		3300			
Setting range [cm/s] 2003000 Greatest sensitivity [cm/s] 200800 Accuracy / deviations Max. temperature gradient of medium [K/min] 30 Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Greatest sensitivity	[cm/s]	360				
Greatest sensitivity [cm/s] 200800 Accuracy / deviations Max. temperature gradient of medium 30 Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-26: 10 g (552000 Hz) MTTF [Years] Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Gases						
Accuracy / deviations Max. temperature gradient of medium [K/min] 30 Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Setting range	[cm/s]	2003000				
Max. temperature gradient of medium 30 Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Greatest sensitivity	[cm/s]	200800				
Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Accuracy / deviations						
Reaction times Response time [s] 110 Environment Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)							
Response time [s] 110		[K/min]		30			
Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)		1					
Protection IP 67 Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)		[S]		110			
Tests / approvals Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] 8583 Mechanical data Process connection Materials (wetted parts) Housing materials Stainless steel 316L / 1.4404 several parts, welded Housing materials Stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)							
Shock resistance DIN IEC 68-2-27: 40 g (11 ms) Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] Mechanical data Process connection Materials (wetted parts) Housing materials Probe length L [mm] Weight [kg] DIN IEC 68-2-7: 40 g (11 ms) 10 g (552000 Hz) 8583 Mechanical data Process connection Ø 10 mm Stainless steel 316L / 1.4404 several parts, welded 15156 Weight [kg] DIN IEC 68-2-27: 40 g (11 ms) 8583 Mechanical data Process connection Materials (wetted parts) Stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight No.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)				IP 67			
Vibration resistance DIN IEC 68-2-6: 10 g (552000 Hz) MTTF [Years] Mechanical data Process connection Materials (wetted parts) Housing materials Probe length L [mm] Weight [kg] DIN IEC 68-2-6: 10 g (552000 Hz) 8583 Mechanical data Process connection Ø 10 mm Stainless steel 316L / 1.4404 several parts, welded 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)							
MTTF [Years] 8583 Mechanical data Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Shock resistance		DIN IEC 68-2-27:	40 g (11 ms)			
Mechanical dataProcess connectionØ 10 mmMaterials (wetted parts)stainless steel 316L / 1.4404 several parts, weldedHousing materialsstainless steel 316L / 1.4404 several parts, weldedProbe length L[mm]15156Weight[kg]0.092Electrical connectionM12 connector; gold-plated contactsConnectionM12 connector; gold-plated contactsMax. cable length[m]100 (5 x 0.5mm²)	Vibration resistance		DIN IEC 68-2-6:	10 g (552000 Hz)			
Process connection Ø 10 mm Materials (wetted parts) stainless steel 316L / 1.4404 several parts, welded Housing materials stainless steel 316L / 1.4404 several parts, welded Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	MTTF	[Years]		8583			
Materials (wetted parts) Housing materials Probe length L [mm] Weight [kg] Connection Max. cable length Stainless steel 316L / 1.4404 several parts, welded 15156 0.092 M12 connector; gold-plated contacts 100 (5 x 0.5mm²)	Mechanical data						
Housing materials Probe length L [mm] Stainless steel 316L / 1.4404 several parts, welded 15156 Weight [kg] Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Process connection			Ø 10 mm			
Probe length L [mm] 15156 Weight [kg] 0.092 Electrical connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Materials (wetted parts)		stainless steel 316L / 1.4404 several parts, welded				
Weight [kg] 0.092 Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Housing materials		stainless steel 316L / 1.4404 several parts, welded				
Electrical connection Connection M12 connector; gold-plated contacts Max. cable length [m] 100 (5 x 0.5mm²)	Probe length L	[mm]	15156				
ConnectionM12 connector; gold-plated contactsMax. cable length[m]100 (5 x 0.5mm²)	Weight	[kg]		0.092			
Max. cable length [m] 100 (5 x 0.5mm²)	Electrical connection						
Max. cable length [m] 100 (5 x 0.5mm²)	Connection		M12 connector; gold-plated contacts				
	Max. cable length	[m]					
	Wiring						



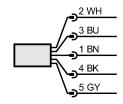
SF6200



SFG10ABB /US-100 Flow sensors







Accessories				
Accessories (optional)		Clamp adapter E40160 (R½) Clamp adapter E40174 (½"NPT)		
Remarks				
Pack quantity	[piece]	1		

ifm efector, inc. • 1100 Atwater Drive • Malvern • PA 19355 — We reserve the right to make technical alterations without prior notice. — US — SF6200 — 24.09.2012