Flow Switches

BFS-20-O / BFS-20-OL

for liquids from 30 up to 600 cSt with optical display



Features

viscosity compensated from 30 to 600 cSt, set point continuously adjustable, rugged, low hysteresis, any mounting position, high accuracy and functional safety, with 1/2" connection also available as low cost version

Measuring ranges

0,1 ... 0,8 l/min to 30 ... 90 l/min for liquids up from 30 to 600 cSt.

Applications

Measuring and monitoring of liquids, e. g. in cooling or hydraulic systems, test beds, pumps etc.

Technical Data

BFS-20-O			
Measuring principle:	variable aera flow meter		
Materials: Flow meter: Spring: Fitting: Display Housing: Glass: Magnets:	brass version brass 1.4571 brass, nickel-plated alumin, anodized Duran 50 ferrite	stainless steel vers. 1.4571 1.4571 1.4571 alumin, anodized Duran 50 ferrite	
Operating pressure: BFS-20-O:	brass PN 10 bar	VA 10 bar	Pressure drop 0,02...0,4 bar
Operating temp.:	120 °C (standard), 160 °C (option HT)		
Accuracy:	±10% f. s.		
Electrical connection:	plug acc. to DIN EN 175301-803-C (former DIN 43650C)		
Contact rating: BFS-20-O G1	250 V / 3 A / 100 VA 250 V / 1,5 A / 50 VA	(NO) (SPDT)	
Protection class:	IP65 (plug acc. to DIN EN 175301-803-C - former DIN 43650C) IP67 (with moulded cable)		
Approvals:	see www.mod-tronic.com		

Technical Data

BFS-20-OL			
Measuring principle:	variable aera flow meter		
Materials: Flow meter: Spring: Fitting: Display Housing: Glass: Magnets:	brass version brass, nickel-plated 1.4571 brass, nickel-plated alumin, anodized Duran 50 ferrite	stainless steel vers. 1.4571 1.4571 1.4571 alumin, anodized Duran 50 ferrite	
Operating pressure: BFS-20-OL:	brass PN 16 bar	VA 16 bar	Pressure drop 0,2...0,4 bar
Operating temp.:	120 °C (standard), 160 °C (option HT)		
Accuracy:	±10% f. s.		
Electrical connection:	plug acc. to DIN EN 175301-803-C (former DIN 43650C)		
Contact rating: BFS-20-OL G1	250 V / 3 A / 100 VA 250 V / 1,5 A / 50 VA	(NO) (SPDT)	
Protection class:	IP65 (plug acc. to DIN EN 175301-803-C - former DIN 43650C) IP67 (with moulded cable)		
Approvals:	see www.mod-tronic.com		

Switch ranges

in l/min

BFS-20-O G1/4:	BFS-20-O G1/2:	BFS-20-O G3/4:	BFS-20-O G1:
0,5...1,5			
1,0...4,0			
	2,0...8		
	3,0...10		
	5,0...15		
	8,0...24		
		10...30	
		15...45	
		20...60	
		30...90	

Switch ranges

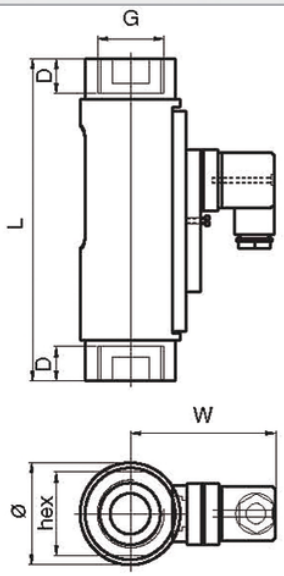
in l/min

BFS-20-OL G1/2:
0,5...1,7
1,3...4,0
2,5...8,0

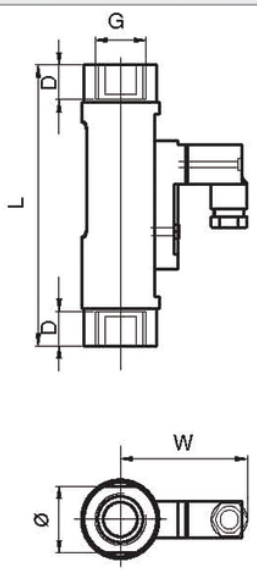
Dimensions (mm / *inch*)

Dimensions (in mm)

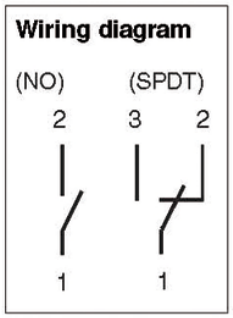
BFS-20-O



BFS-20-OL



Wiring diagram



	G 1/4	G 1/2	G 3/4	G 1
(G)				
(hex)	41	41	41	41
(ø)	50	50	50	50
(W)	77	77	77	77
(D)	17	17	17	17
(L)	145	145	139	158
Weight (g)	850	850	850	850

	G 1/2
(G)	
(hex)	27
(ø)	32
(W)	53
(D)	14
(L)	114
Weight (g)	300

Order Code

BFS-20-O	BFS-20-OL
Brass	Brass
0712-263 BFS-20-O-G1-MS-NO-ST	0712-262 BFS-20-OL-G1/2-MS-NO-ST
0712-345 BFS-20-O-G1-MS-WE-ST	0712-344 BFS-20-OL-G1/2-MS-WE-ST
Stainless Steel	Stainless Steel
0712-265 BFS-20-O-G1-SS-NO-ST	0712-264 BFS-20-OL-G1/2-SS-NO-ST
0712-347 BFS-20-O-G1-SS-WE-ST	0712-346 BFS-20-OL-G1/2-SS-WE-ST
The version BFS-20-O is also available with process connections, please see table on side before. To place an order please add the process connection to the order number.	
Order number example: Order number + switching range = 0712-263, 3…10 l/min Note: ATEX version not available.	

Description

NO = normally open	O = with indication	MS = brass	Please specify switching range (see table on page previous) additional to order number.
WE = change-over	N = without indication	SS = stainless steel	