

Electrical connection technology, for fieldbus connection

Technical data – FBS/FBSD






- Plug/plug socket for fieldbus connection
- Can be assembled with any cable length
- 5-pin plug/4-pin or 5-pin socket
- With screw terminals
- Wire cross section of up to 0.75 mm²



General technical data			
Type	FBSD-...	FBS-...	
Type of mounting	Union nut M12		
Mounting position	Any		
Electrical connection	Type A		
Based on standard	EN 61076-2-101, EN 61984		
Connection cross section	[mm ²]	0.25 ... 0.75	
Max. tightening torque for locking	[Nm]	0.5	
Acceptable current load at 40 °C	[A]	4	
Protection class to EN 60529	IP67 (assembled)		
Material	of housing	Reinforced polyamide	
	of contacts	Brass, coated with white bronze	Nickel-plated and gold-plated brass
		FBSD-GD-9-5POL: nickel-plated and gold-plated brass	
	of union nut	Nickel-plated die-cast zinc	
	of seals	Nitrile rubber	
Note on materials	Conforms to RoHS		
Fire protection classification to UL94	HB, V2		
CE mark (see declaration of conformity)	To EU Low Voltage Directive		
Degree of contamination	3		
Ambient temperature	[°C]	-40 ... +85	

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Ordering data								
	Electrical connection	Operating voltage range		Cable connection	Permitted cable Ø [mm]	Product weight [g]	Part No.	Type
		[V AC]	[V DC]					
	Straight plug, 5-pin, screw terminal	60	60	Pg9	6 ... 8	23.5	175380	FBS-M12-5GS-PG9
	Straight socket, 4-pin, screw terminal	250	250	Pg7	4 ... 6	28	18497	FBSD-GD-7
	Straight socket, 4-pin, screw terminal	250	250	Pg9	8 ... 9.5	29	18495	FBSD-GD-9
	Straight socket, 5-pin, screw terminal (DeviceNet)	60	60	Pg9	6 ... 8	33	18324	FBSD-GD-9-5POL
	Straight socket, 4-pin, screw terminal	250	250	Pg13.5	10 ... 12	40	18496	FBSD-GD-13,5
	Angled socket, 4-pin, screw terminal	250	250	Pg7	4 ... 6	25	18524	FBSD-WD-7
	Angled socket, 4-pin, screw terminal	250	250	Pg9	6 ... 8	30	18525	FBSD-WD-9

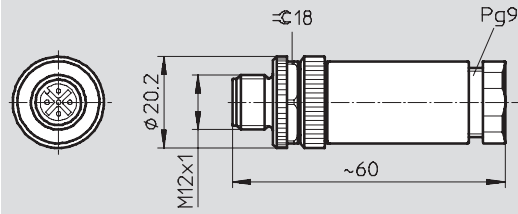
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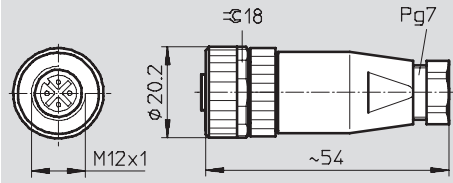
Dimensions

Download CAD data → www.festo.com

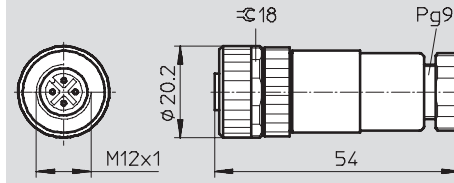
FBS-M12-5GS-PG9



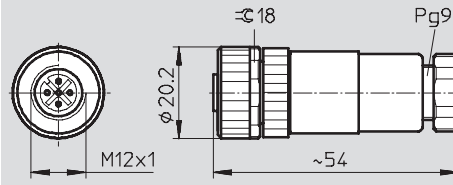
FBSD-GD-7



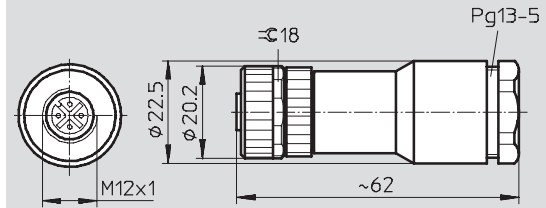
FBSD-GD-9



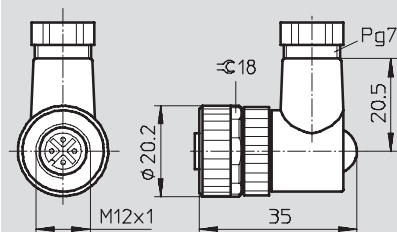
FBSD-GD-9-5POL



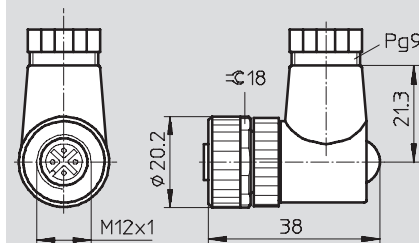
FBSD-GD-13,5



FBSD-WD-7



FBSD-WD-9



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