

# Electrical connection technology, for fieldbus connection

Technical data – FBS/FBSD


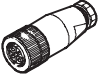



- Plug/plug socket for fieldbus connection
- Can be assembled with any cable length
- 5-pin plug/4-pin or 5-pin socket
- With screw terminals
- Wire cross section of up to 0.75 mm<sup>2</sup>



General technical data		
Type	FBSD-...	FBS-...
Type of mounting	Union nut M12	
Mounting position	Any	
Electrical connection	Type A	
Connection cross section [mm <sup>2</sup> ]	0.25 ... 0.75	
Max. tightening torque for locking [Nm]	0.6	
Acceptable current load at 40 °C [A]	4	
Protection class to EN 60529	IP67 (assembled)	
Material of housing	Reinforced polyamide	
Material of contacts	Brass, coated with white bronze	Nickel-plated and gold-plated brass
	FBSD-GD-9-5POL: nickel-plated and gold-plated brass	
Material of union nut	Nickel-plated die-cast zinc	
Material of seals	Nitrile rubber	
Note on materials	Conforms to RoHS	
Fire protection classification to UL94	HB, V2	
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]	Type	Part No.
		[V AC]	[V DC]					
	Straight plug, 5-pin, screw terminal	60	60	Pg9	6 ... 8	23.5	<b>FBS-M12-5GS-PG9</b>	<b>175 380</b>
	Straight socket, 4-pin, screw terminal	250	250	Pg7	4 ... 6	28	<b>FBSD-GD-7</b>	<b>18 497</b>
	Straight socket, 4-pin, screw terminal	250	250	Pg9	8 ... 9.5	29	<b>FBSD-GD-9</b>	<b>18 495</b>
	Straight socket, 5-pin, screw terminal (DeviceNet)	60	60	Pg9	6 ... 8	33	<b>FBSD-GD-9-5POL</b>	<b>18 324</b>
	Straight socket, 4-pin, screw terminal	250	250	Pg13.5	10 ... 12	40	<b>FBSD-GD-13,5</b>	<b>18 496</b>
	Angled socket, 4-pin, screw terminal	250	250	Pg7	4 ... 6	25	<b>FBSD-WD-7</b>	<b>18 524</b>
	Angled socket, 4-pin, screw terminal	250	250	Pg9	6 ... 8	30	<b>FBSD-WD-9</b>	<b>18 525</b>

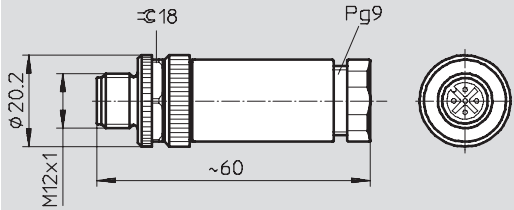
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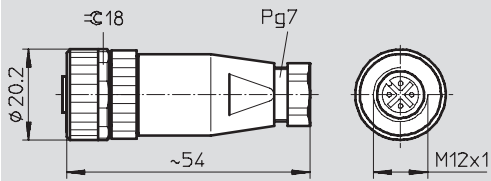
## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

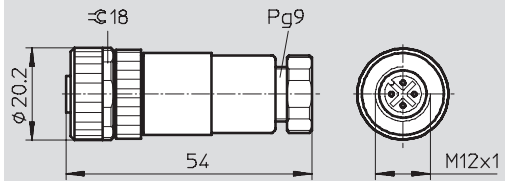
FBS-M12-5GS-PG9



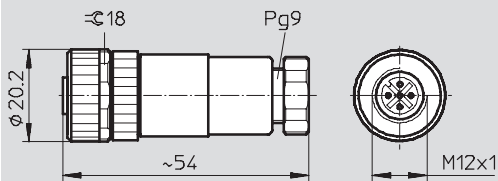
FBSD-GD-7



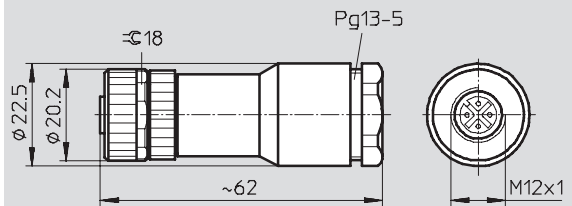
FBSD-GD-9



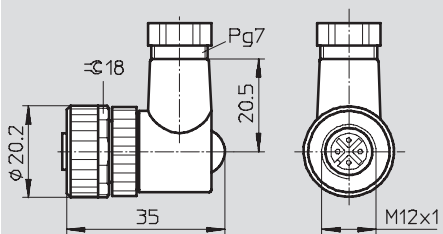
FBSD-GD-9-5POL



FBSD-GD-13,5



FBSD-WD-7



FBSD-WD-9

