

Plugs, Sub-D, 9-pin

Technical data

FESTO

Plug FBS-SUB-9

- Fieldbus plug with 9-pin Sub-D connection
- Variants for different fieldbus systems
- Position of DIL switches can be read externally
- Easy assembly



General technical data				
Type	FBS-SUB-9-GS-DP-B	FBS-SUB-9-GS-IB-B	FBS-SUB-9-GS-2X4POL-B	FBS-SUB-9-GS-1X9POL-B
Electrical connection	Plug, 9-pin, Sub-D			
Control elements	DIL switches	–	–	–
Note for fieldbus interface	–	–	BUS In - BUS Out looped through	–
Additional functions	Switching off of outgoing fieldbus segment	Integrated RBST bridge	–	–
Permissible cable diameter [mm]	5 ... 10			
Degree of protection to EN 60529	IP65, IP67 (assembled)			
Height/length/width [mm]	62/61/20			

General technical data	
Type	FBS-SUB-9-WS-...
Electrical connection	Plug, 9-pin, Sub-D
Permissible cable diameter [mm]	4.5 ... 8
Degree of protection to EN 60529	IP40

Materials			
Type	FBS-SUB-9-GS-...	FBS-SUB-9-GS-1X9POL-B	FBS-SUB-9-WS-...
Housing	PA reinforced	PA reinforced	Thermoplastic
Seals	NBR	NBR	–
Screws	Steel	Steel	–
Union nut	Brass	Brass	–
Note on materials	RoHS-compliant	–	–

Operating and environmental conditions			
Type	FBS-SUB-9-GS-...	FBS-SUB-9-GS-1X9POL-B	FBS-SUB-9-WS-...
Ambient temperature [°C]	0 ... +50	0 ... +50	–20 ... +70
Storage temperature [°C]	–20 ... +70	–20 ... +70	–
Relative air humidity [%]	95, non-condensing	95, non-condensing	–
CE marking	–	To EU EMC Directive ¹⁾	–
(see declaration of conformity)	–	To EU Low Voltage Directive	–

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com/sp → User documentation.
If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

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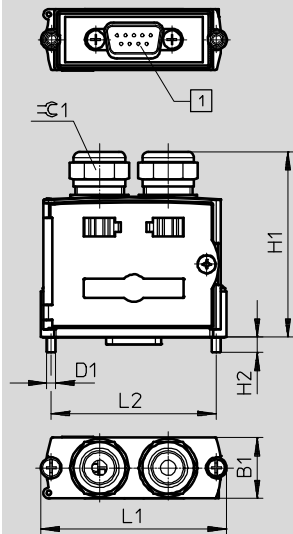
Technical data

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Dimensions

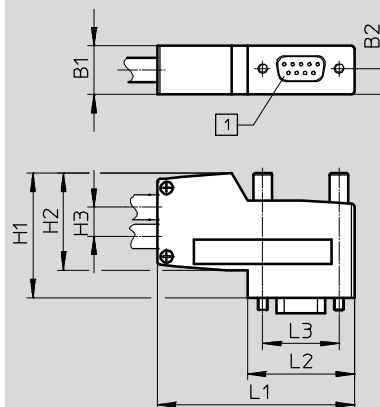
Download CAD data → www.festo.com

FBS-SUB-9-GS-...



1 Sub-D plug, 9-pin


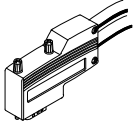
FBS-SUB-9-WS-...



1 Sub-D plug, 9-pin

Type	B1	B2	D1	H1	H2	H3	L1	L2	L3	⌀C1
FBS-SUB-9-GS-...	20	–	M3x20	60.5	5	–	60.9	54.1	–	17
FBS-SUB-9-WS-...	16	8.5	–	40.8	31.8	9.5	64.6	35	25	–

Ordering data

	Electrical connection	Protocol	Fieldbus interface	Product weight [g]	Part No.	Type
	Straight plug	PROFIBUS	2x 2 spring-loaded terminals	60	532216	FBS-SUB-9-GS-DP-B
		INTERBUS	1x 5 spring-loaded terminals	60	532217	FBS-SUB-9-GS-IB-B
		CC-Link	2x 4 spring-loaded terminals	60	532220	FBS-SUB-9-GS-2x4POL-B
		RS232	1x 9 spring-loaded terminals	60	534497	FBS-SUB-9-GS-1x9POL-B
	Angled plug	PROFIBUS	–	43	533780	FBS-SUB-9-WS-PB-K
		CANopen	–	45.9	533783	FBS-SUB-9-WS-CO-K