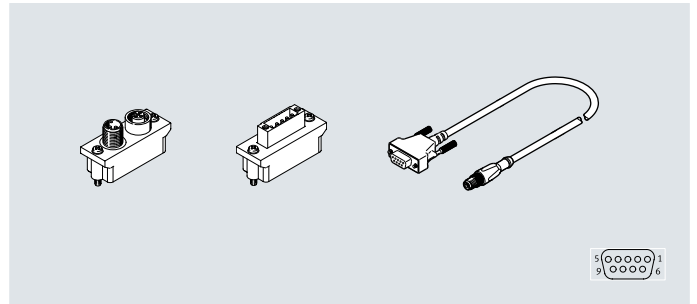


Data sheet

Fieldbus adapter FBA

Fieldbus adapter Sub-D, 9-pin on M12 or screw terminal, for CANopen and DeviceNet



General technical data

Electrical connection 1	Straight socket, Sub-D, 9-pin, field device side
Type of mounting	2x screw 4-40 UNC
Nominal operating voltage [V DC]	24
Protocol	CANopen
	DeviceNet

Electrical data

Type	FBA-2-M12-5POL	FBA-1-SL-5POL	FBA-CO-SUB-9-M12
Electrical connection 2	- Straight plug, M12x1, 5-pin, A-coded to EN 61076-2-101 - Straight socket, M12x1, 5-pin, A-coded to EN 61076-2-101	Straight plug, 5-pin	Straight plug, M12x1, 5-pin, A-coded to EN 61076-2-101
Cable length [m]	0	0	0.1
Cable diameter [mm]	–	–	6.3
Cable composition [mm ²]	–	–	4 x 0.34, shielded
Conductor nominal cross section [mm ²]	–	–	0.34
Current rating [A]	4	4	–
Degree of protection to EN 60529	IP65	IP40	IP67 in assembled state

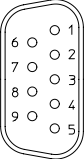
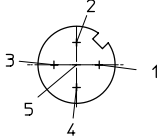
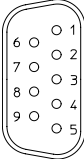
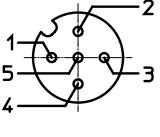
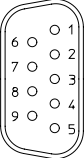
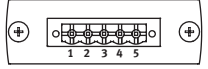
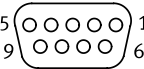
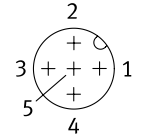
Materials

Type	FBA-2-M12-5POL	FBA-1-SL-5POL	FBA-CO-SUB-9-M12
Housing	PA	PA	–
Housing colour	Black	Black	–
Cable sheath	–	–	TPE-U(PUR)
Pin contacts	Gold-plated bronze	Gold-plated bronze	–
Note on materials	RoHS-compliant	RoHS-compliant	Contains paint-wetting impairment substances

Operating and environmental conditions

Type	FBA-2-M12-5POL	FBA-1-SL-5POL	FBA-CO-SUB-9-M12
Ambient temperature [°C]	–5 ... +50	–5 ... +50	–5 ... +50
Storage temperature [°C]	–20 ... +70	–20 ... +70	–

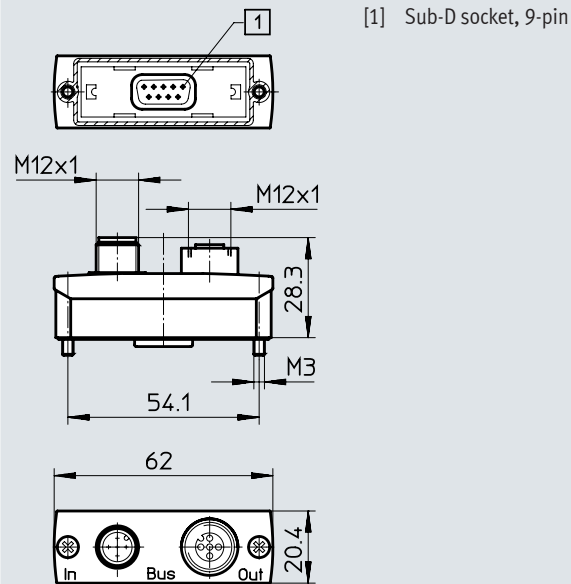
Data sheet

Pin allocation – Sub-D/opposite side			
FBA-2-M12-5POL			
Sub-D connection	Pin	Pin	Plug
	1	–	
	2	5	
	3	3	
	4	–	
	5	1	
	6	–	
	7	4	
	8	–	
	9	2	
	Housing	1	
Sub-D connection	Pin	Pin	Socket
	1	–	
	2	5	
	3	3	
	4	–	
	5	1	
	6	–	
	7	4	
	8	–	
	9	2	
	Housing	1	
FBA-1-SL-5POL			
Sub-D connection	Pin	Pin	Plug
	1	–	
	2	2	
	3	1	
	4	–	
	5	3	
	6	–	
	7	4	
	8	–	
	9	5	
	Housing	3	
FBA-CO-SUB-9-M12			
Sub-D connection	Pin	Pin	Plug
	1	–	
	2	5	
	3	3	
	4	–	
	5	1	
	6	3	
	7	4	
	8	–	
	9	2	
	Housing	1	

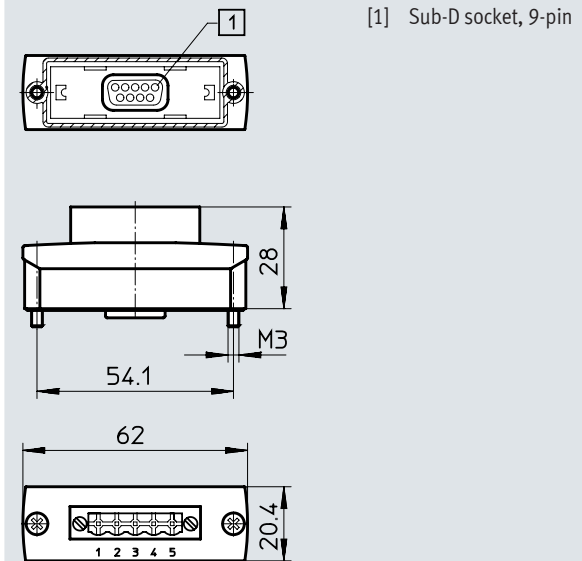
Data sheet

Dimensions

FBA-2-M12-5POL



FBA-1-SL...

Download CAD data → www.festo.com

Ordering data

	Electrical connection 1	Electrical connection 2	Weight [g]	Part no.	Type
	Straight socket, Sub-D, 9-pin	• Straight plug, M12x1, 5-pin • Straight socket, M12x1, 5-pin	28	525632	FBA-2-M12-5POL
		Straight plug, 5-pin	26	525634	FBA-1-SL-5POL
		Straight plug, M12x1, 5-pin	–	540324	FBA-CO-SUB-9-M12

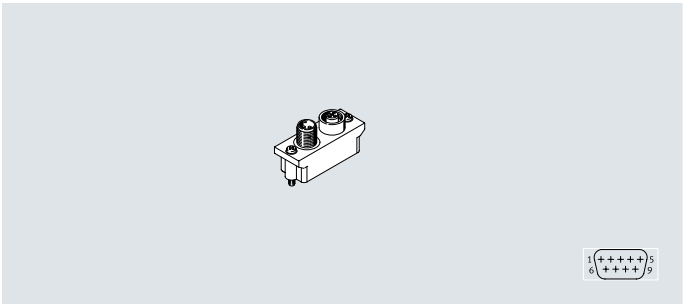
Ordering data – Accessories

	Electrical connection	Weight [g]	Part no.	Type
	Modular system for connecting cables 0.1 ... 30 m → Internet: nebu	–	–	NEBU-...
For FBA-2-M12-5POL				
	Socket M12x1, 5-pin, straight	33	18324	FBSD-GD-9-5POL
	Plug M12x1, 5-pin, straight	23.5	175380	FBS-M12-5GS-PG9
For FBA-1-SL-5POL				
	• Angled socket, 5-pin • Screw terminal, 5-pin • Degree of protection IP20	20	525635	FBSD-KL-2x5POL

Data sheet

Fieldbus adapter FBA

Fieldbus adapter Sub-D, 9-pin on M12
for PROFIBUS and CC-Link



General technical data	
Electrical connection 1	Straight plug, Sub-D, 9-pin, field device side
Type of mounting	2x screw 4-40 UNC
Nominal operating voltage [V DC]	24
Protocol	PROFIBUS CC-Link

Electrical data	
Electrical connection 2	- Straight plug, M12x1, 5-pin, B-coded to EN 61076-2-101 - Straight socket, M12x1, 5-pin, B-coded to EN 61076-2-101
Degree of protection to EN 60529	IP65

Materials	
Seals	NBR
Note on materials	–

Operating and environmental conditions		
Ambient temperature [°C]		0 ... +50
Storage temperature [°C]		–20 ... +70
Relative humidity [%]		95, non-condensing

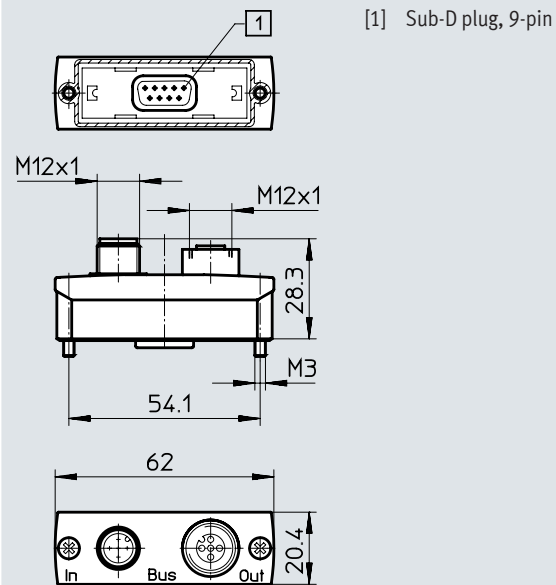
Pin allocation – Sub-D/opposite side

FBA-2-M12-5POL-RK

Sub-D connection	Pin	Pin	Plug	Sub-D connection	Pin	Pin	Socket
	1	5			1	5	
	2	–			2	–	
	3	4			3	4	
	4	–			4	–	
	5	–			5	3	
	6	–			6	1	
	7	–			7	–	
	8	2			8	2	
	9	–			9	–	
Housing		Housing		Housing		Housing	

Data sheet

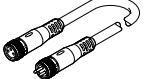
Dimensions

Download CAD data → www.festo.com

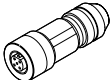
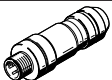
Ordering data

	Electrical connection 1	Electrical connection 2	Weight [g]	Part no.	Type
	Straight plug, Sub-D, 9-pin	- Straight plug, M12x1, 5-pin - Straight socket, M12x1, 5-pin	80	533118	FBA-2-M12-5POL-RK

Ordering data – Accessories

	Electrical connection	Weight [g]	Part no.	Type
	Modular system for connecting cables 0.1 ... 30 m → Internet: nebu	–	–	NEBU-...

For FBA-2-M12-5POL-RK

	Socket M12x1, 5-pin, straight	48	1067905	NECU-M-B12G5-C2-PB
	Plug M12x1, 5-pin, straight	46	1066354	NECU-M-S-B12G5-C2-PB

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1 Festo Inc.
5300 Explorer Drive
Mississauga, ON L4W 5G4
Canada

Festo Customer Interaction Center
Tel: 1 877 463 3786
Fax: 1 877 393 3786
Email: customer.service.ca@festo.com



2 Festo Pneumatic
Av. Ceylán 3,
Col. Tequesquináhuac
54020 Tlalnepantla,
Estado de México

Multinational Contact Center
01 800 337 8669
ventas.mexico@festo.com



3 Festo Corporation
1377 Motor Parkway
Suite 310
Islandia, NY 11749

Festo Customer Interaction Center
1 800 993 3786
1 800 963 3786
customer.service.us@festo.com



4 Regional Service Center
7777 Columbia Road
Mason, OH 45040

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