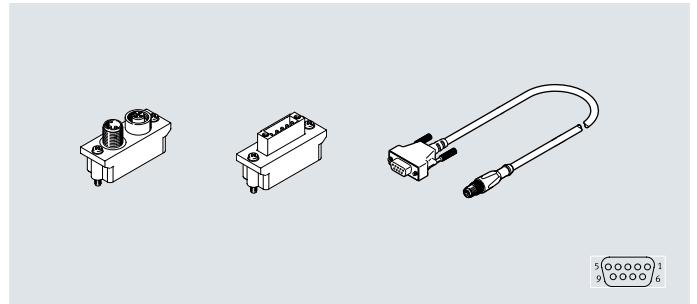


Datasheet

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 structure [mm²]	–	–	4 x 0.34, shielded
Nominal conductor cross-section [mm²]	–	–	0.34
Current rating [A]	4	4	–
Degree of protection to EN 60529	IP65	IP40	IP67 in mounted status

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	RoHS-compliant
LABS (PWIS) conformity	VDMA24364-B2-L	VDMA24364-B2-L	VDMA24364 zone III

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	–

Datasheet

Pin assignment – 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	

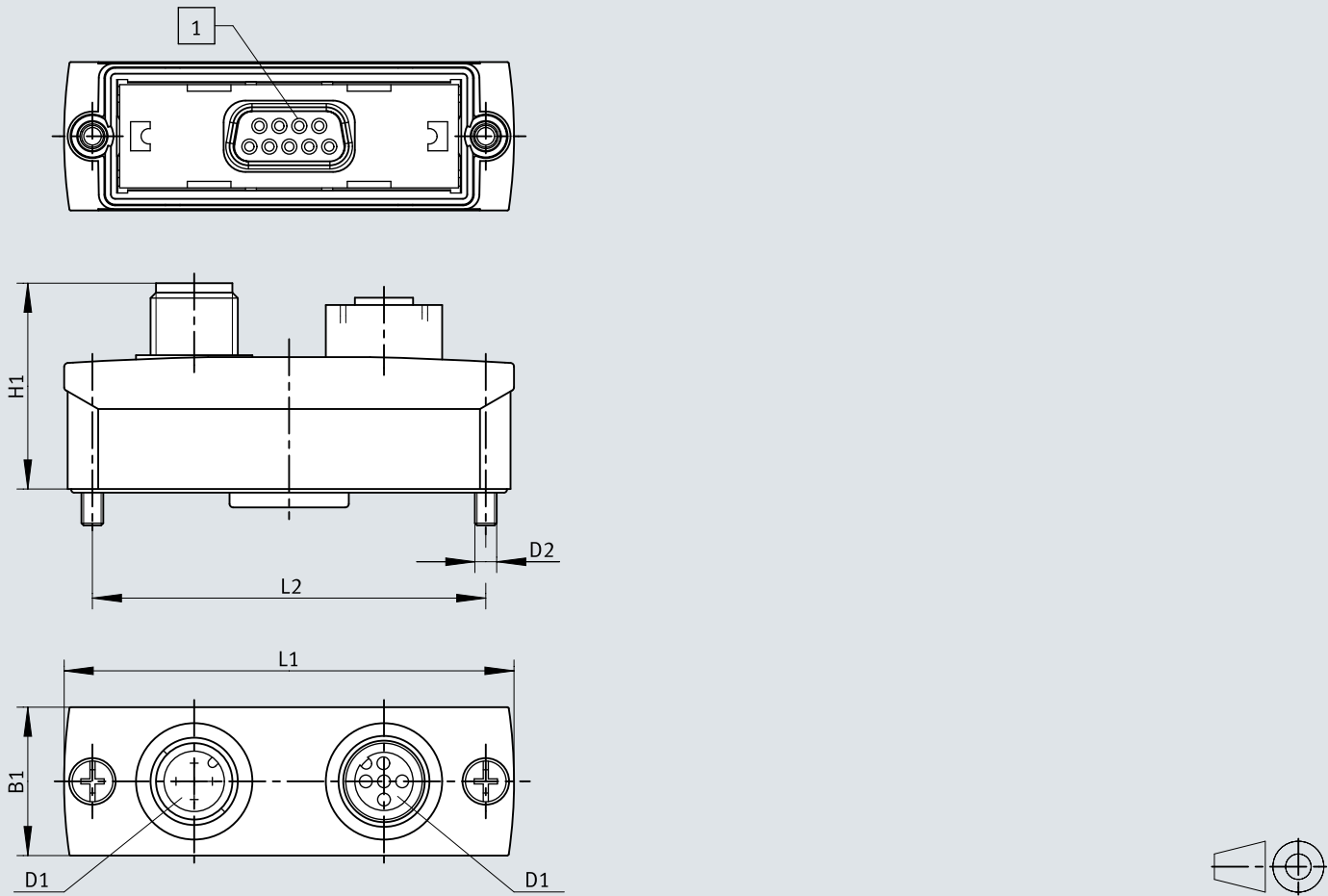
FBA-1-SL-5POL			
Sub-D connection	Pin	Pin	Plug
	1	–	
	2	2	
	3	1	
	4	–	
	5	3	
	6	–	
	7	4	
	8	–	
	9	5	
	Housing	3	

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	

Datasheet

Dimensions – FBA-2-M12-5POL

Download CAD data → www.festo.com



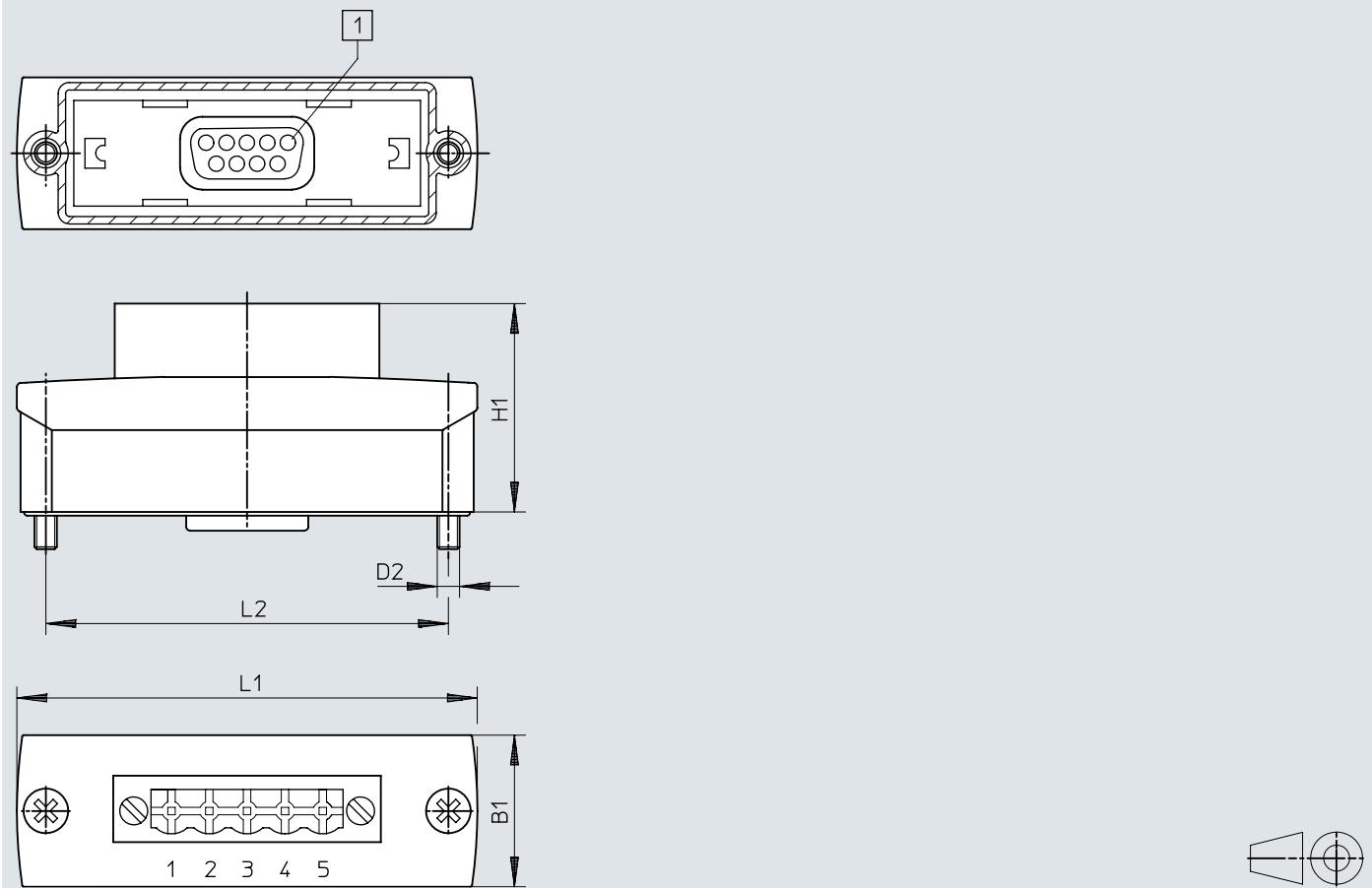
[1] Sub-D socket, 9-pin

	B1	D1	D2	H1	L1	L2
FBA-2-M12-5POL	20.4	M12x1	M3	28.3	62	54.1

Datasheet

Dimensions – FBA-1-SL-...

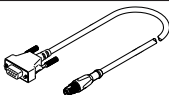
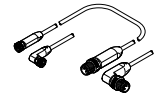
Download CAD data → www.festo.com



[1] Sub-D socket, 9-pin

	B1	D2	H1	L1	L2
FBA-1-SL-5POL	20.4	M3	28.3	62	54.1

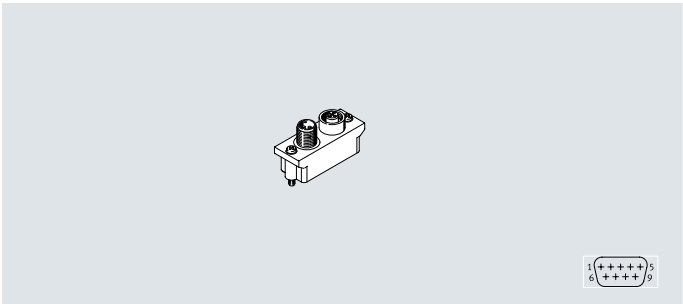
Datasheet

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 a choice of connecting cables	–	–	NEBA-... → Internet: neba	
For FBA-2-M12-5POL					
	Socket for micro style connection, M12	26	8162291	NECB-M12G5-C2	
	Plug for micro style connection, M12	19	8162296	NECB-S-M12G5-C2	
For FBA-1-SL-5POL					
	• Angled socket, 5-pin • Screw terminal, 5-pin • Degree of protection IP20	20	525635	FBSD-KL-2x5POL	

Datasheet

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	

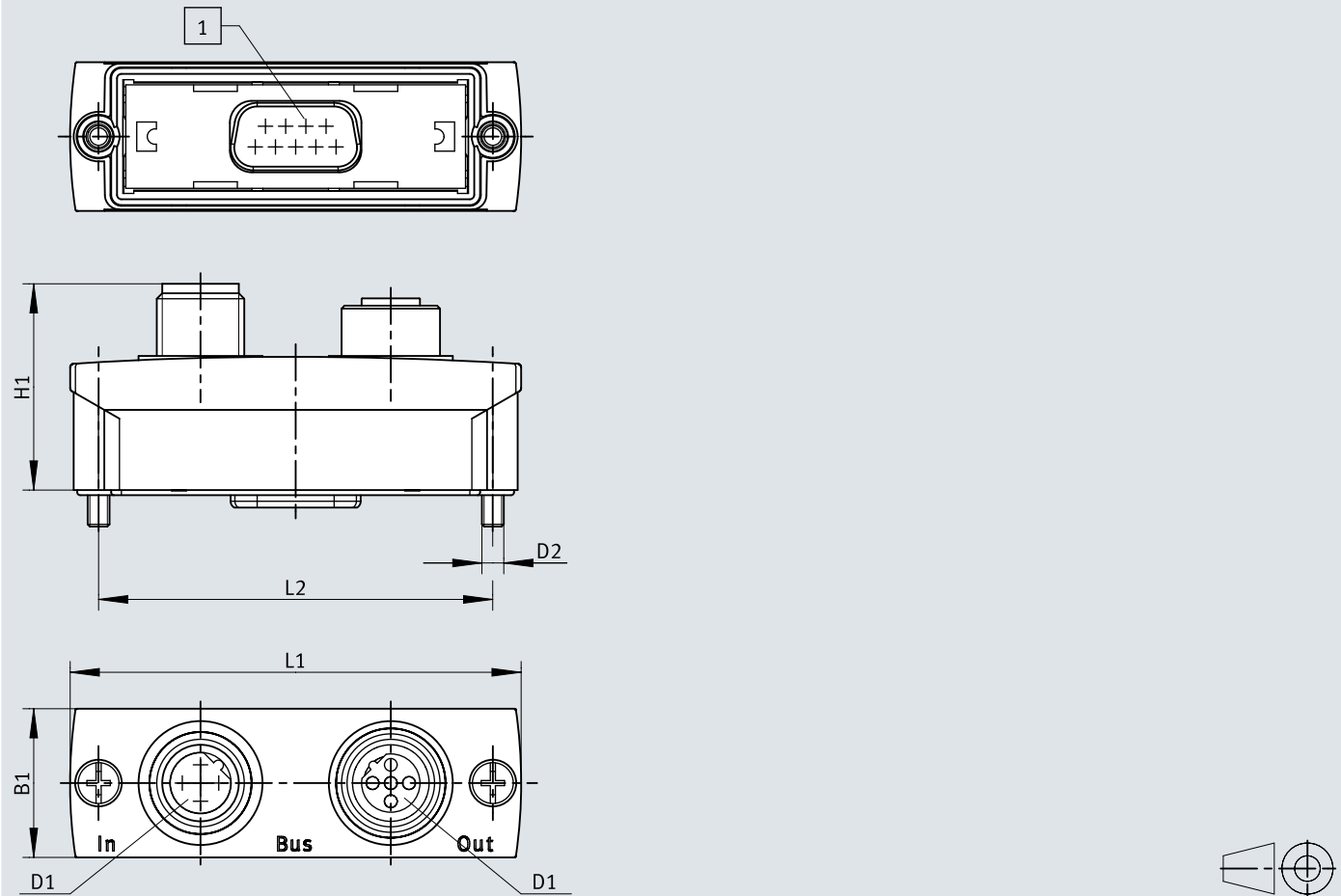
Pin assignment – Sub-D/opposite side

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	

Datasheet

Dimensions

Download CAD data → www.festo.com

[1] Sub-D plug, 9-pin

	B1	D1	D2	H1	L1	L2
FBA-2-M12-5POL-RK	20.4	M12x1	M3	28.3	62	54.1

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 a choice of connecting cables	–	–	NEBA-... → Internet: neba

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