

Bus connection FBA-1, FBA-2

FESTO



Datasheet

General technical data

Degree of protection	IP40	IP65	IP65, To IEC 60529
Electrical connection	9-pin/5-pin, Straight socket/straight plug connector, Sub-D/-	9-pin/5-pin, Straight socket/plug connector and socket, Sub-D/M12x1	–
Mounting position	optional	–	–
Type of mounting	With through-hole	–	–
Operational voltage range DC	≤24 V	–	–

Operating and environmental conditions

Ambient temperature	-5 ... 50°C
Storage temperature	-20 ... 70°C

Electrical data

Degree of protection	IP40	IP65	IP65, To IEC 60529
Permissible current load	4 A	–	–

Materials

Material housing	PA
Housing colour	Black
Material electrical contact	Bronze
Note on materials	RoHS-compliant
Material seals	NBR
LABS (PWIS) conformity	VDMA24364-B2-L

General technical data – Fieldbus adapter FBA

Electrical connection 1, function	Field device side
Electrical connection 1, design	Angular
Electrical connection 1, connection type	Socket
Electrical connection 1, cable outlet	Straight
Electrical connection 1, type of mounting	2x screw 4-40 UNC-2A
Electrical connection 2, function	Controller side
Electrical connection 2, design	Round
Electrical connection 2, connection type	Plugs
Electrical connection 2, cable outlet	Straight
Shielding	yes
Cable length	0.1 m
Cable diameter	6.3 mm
Cable structure	4 x 0.34 mm ²
Nominal cross section conductor	0.34 mm ²

Operating and environmental conditions – Fieldbus adapter FBA

Ambient temperature	-5 ... 50°C
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Datasheet

Electrical data – Fieldbus adapter FBA

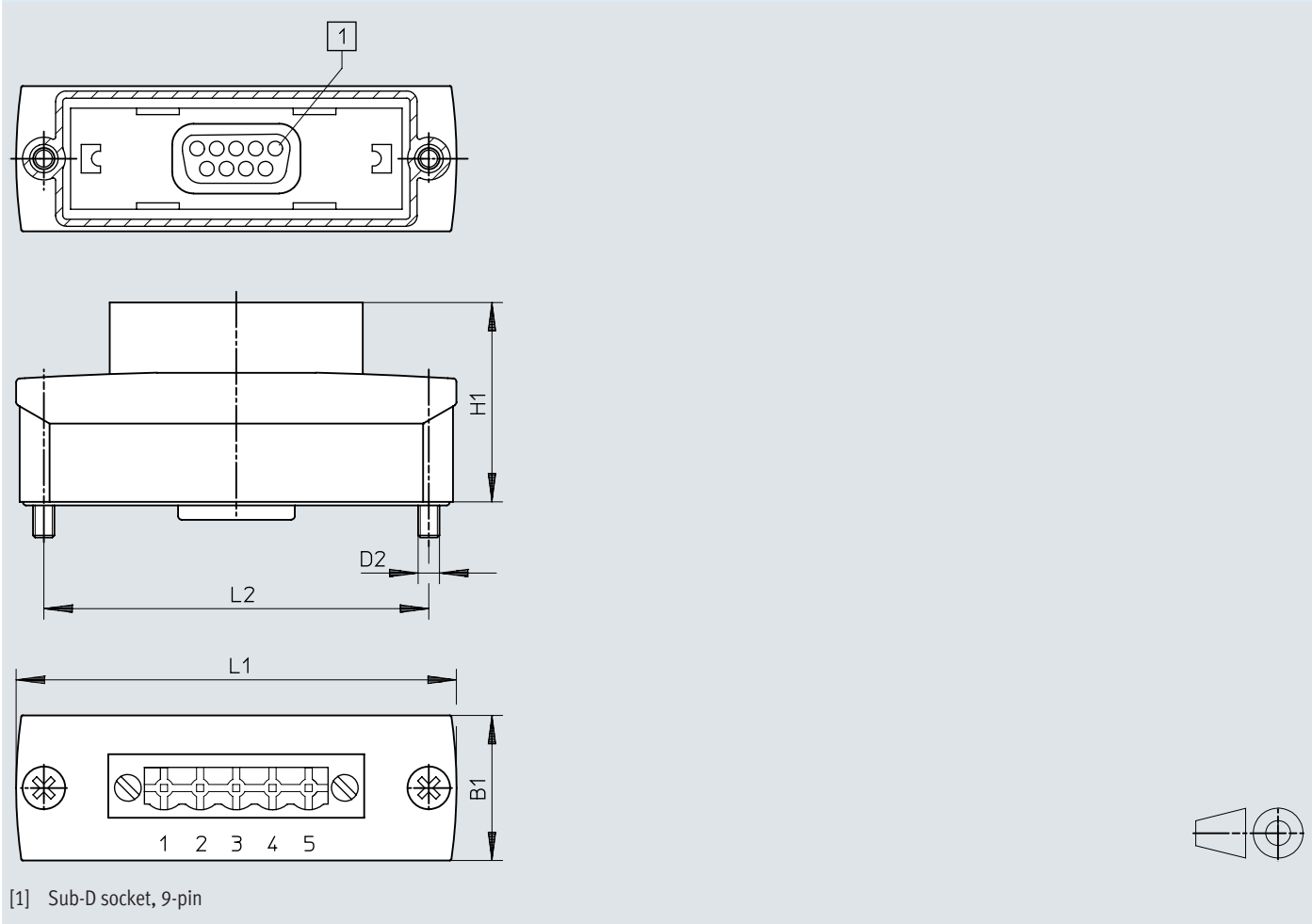
Nominal operating voltage DC	24 V
Electrical connection 2, used connections/cores	5
Electrical connection 2, number of connections/cores	5
Electrical connection 1, tightening torque	0.4 Nm
Electrical connection 1, number of connections/cores	9
Electrical connection 1, used connections/cores	6
Degree of protection	IP67
Note on degree of protection	In assembled state

Materials – Fieldbus adapter FBA

Note on materials	RoHS-compliant
Material cable sheath	TPE-U(PUR)
LABS (PWIS) conformity	VDMA24364 zone III

Dimensions

Dimensions – FBA-1-SL-5POL for CANopen and DeviceNet® Download CAD data www.festo.com

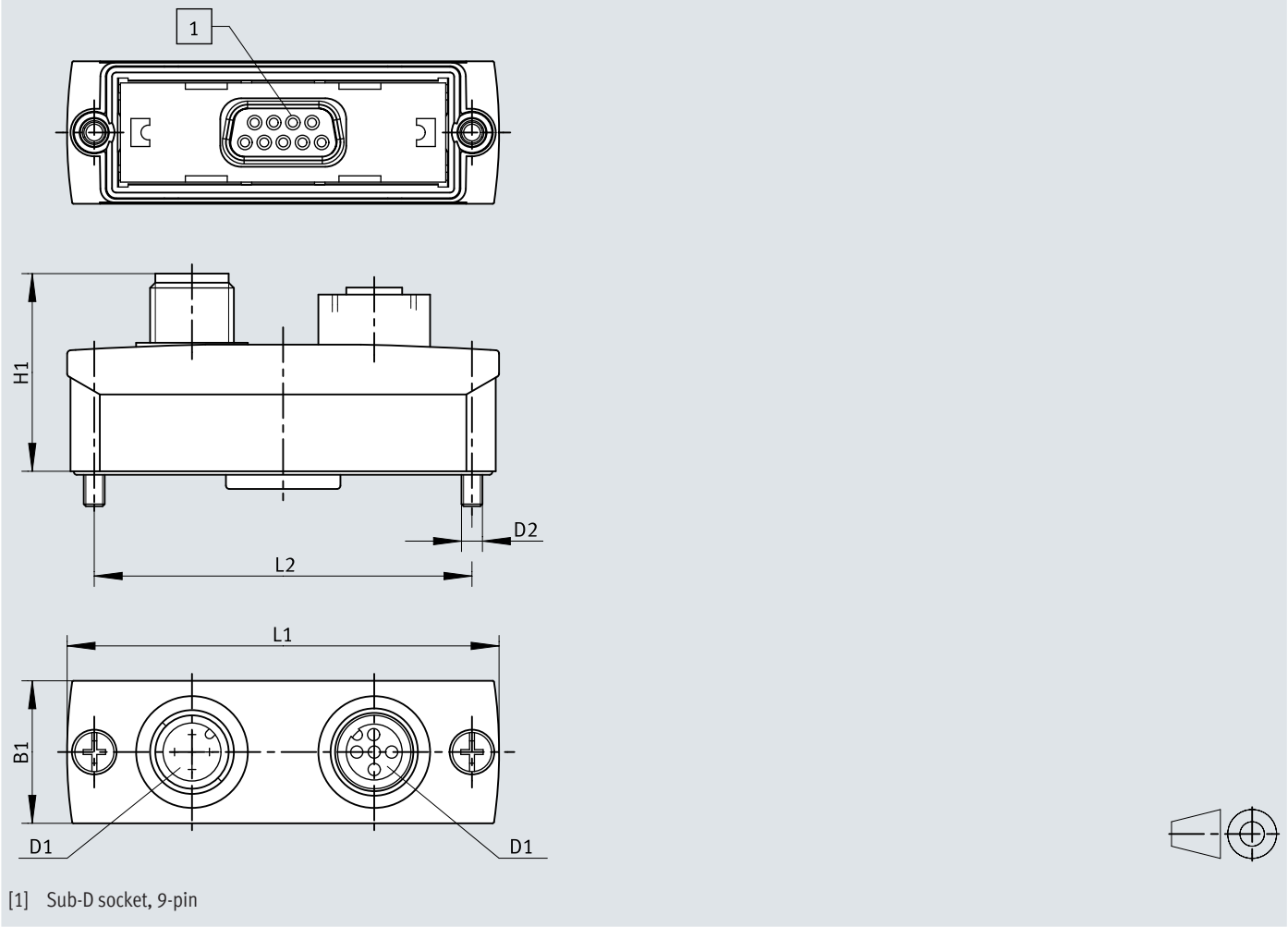


	B1	D2	H1	L1	L2
FBA-1-SL-5POL	20,4	M3	28,3	62	54,1

Dimensions

Dimensions – FBA-2-M12-5POL for CANopen and DeviceNet®

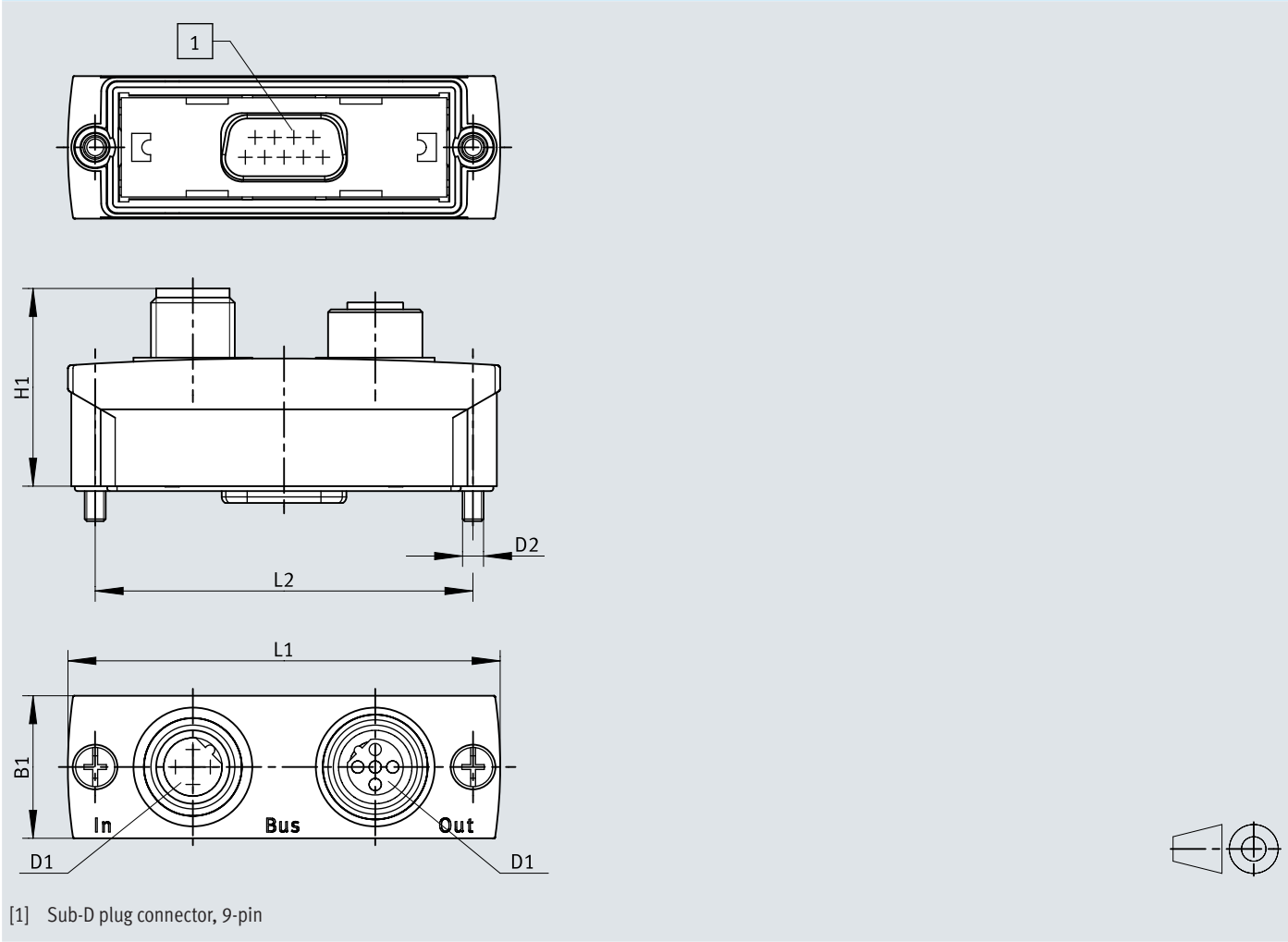
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	B1	D1	D2	H1	L1	L2
FBA-2-M12-5POL	20,4	M12x1	M3	28,3	62	54,1

Dimensions

Dimensions – FBA-2-M12-5POL-RK for PROFIBUS and CC-LINK® Download CAD data www.festo.com



	B1	D1	D2	H1	L1	L2
FBA-2-M12-5POL-RK	20,4	M12x1	M3	28,3	62	54,1

Ordering data

FBA-1 for CANopen and DeviceNet®				
	Electrical connection	Product weight	Part no.	Type
	9-pin/5-pin, Straight socket/straight plug connector, Sub-D/-	26 g	525634	FBA-1-SL-5POL

FBA-2 for CANopen and DeviceNet®				
	Electrical connection	Product weight	Part no.	Type
	9-pin/5-pin, Straight socket/plug connector and socket, Sub-D/M12x1	28 g	525632	FBA-2-M12-5POL

FBA-2 for PROFIBUS and CC-LINK®						
	Degree of protection	Field bus interface	Corrosion resistance class CRC	Product weight	Part no.	Type
	IP65, To IEC 60529	Socket and plug, M12x1, 5-pin, B-coded	1 - Low corrosion stress	80 g	533118	FBA-2-M12-5POL-RK

Fieldbus adapter FBA for CANopen and DeviceNet®					
	Electrical connection 1, connector system	Electrical connection 2, connector system	Corrosion resistance class CRC	Part no.	Type
	Sub-D	M12x1, A-coded to EN 61076-2-101	0 - No corrosion stress	540324	FBA-CO-SUB-9-M12