



**Electrical Connection Technology,  
for Fieldbus Connection FBA/FBSD**

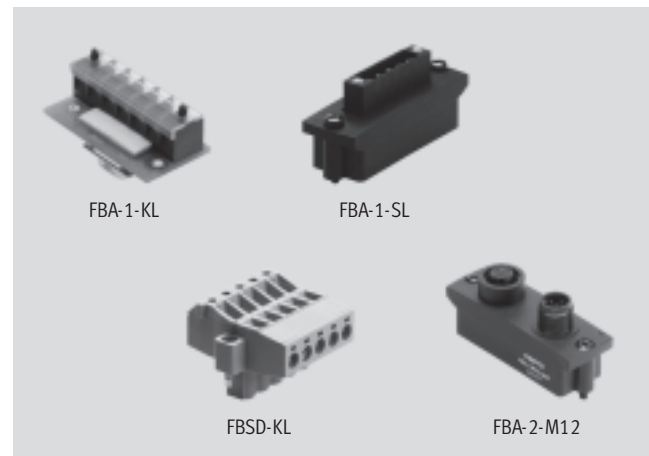


# Electrical connection technology, for fieldbus connection

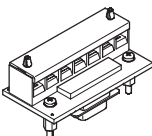
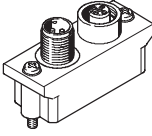
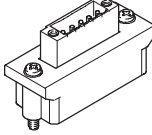
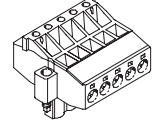
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Technical data – BA/FBSD

- Plug/socket for fieldbus connection
- Adapter for Sub-D plug and socket
- Plug/socket, 9-pin, on connection, 5-pin/2x5-pin



General technical data		
Type	FBA...	FBSD-KL-...
Type of mounting	2 M3x20 screws	2 M2.5x12 screws
Mounting position	Any	
Operating voltage range [V]	24 DC	
Material of housing	Polyamide	
Material of contacts	Gold-plated bronze	
Ambient temperature [°C]	–5 ... +50	
Storage temperature [°C]	–20 ... +70	

Ordering data							
	Electrical connection	Max. wire cross section [mm²]	Current-carrying capacity [A]	Protection class to EN 60 529	Product weight [g]	Type	Part No.
	Plug, straight, Sub-D, 9-pin, screw terminal, 5-pin	0.5	7.5	IP20	47	FBA-1-KL-5POL	197 962
	Straight socket, Sub-D, 9-pin, plug/socket, M12, 5-pin	–	4	IP65	28	FBA-2-M12-5POL	525 632
	Straight socket, Sub-D, 9-pin, plug, 5-pin	–	4	IP40	26	FBA-1-SL-5POL	525 634
	Socket, angled, 5-pin, screw terminal, 5-pin	0.2 ... 2.5	12	IP20	20	FBSD-KL-2x5POL	525 635

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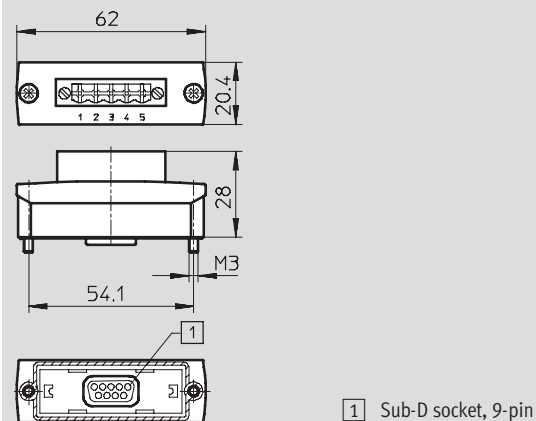
Technical data – FBA/FBSD

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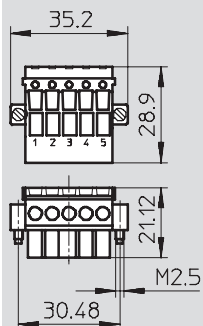
## Dimensions

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

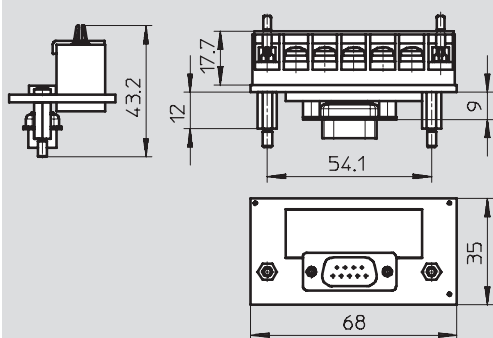
### FBA-1-SL-...



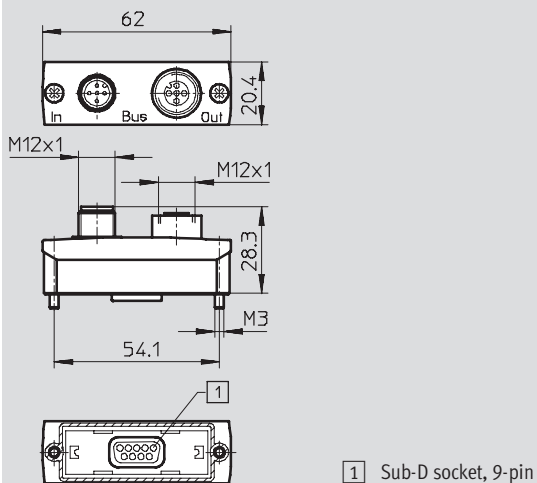
### FBSD-KL-...



### FBA-1-KL-...



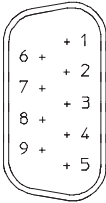
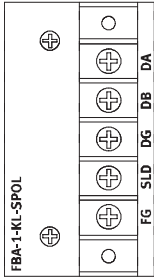
### FBA-2-...

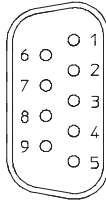
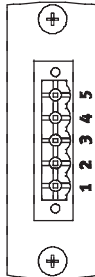


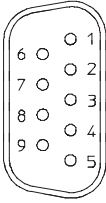
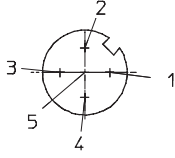
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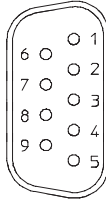
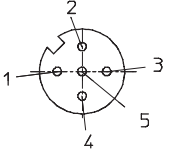
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Technical data – FBA/FBSD

Pin allocation Sub-D/opposite side			
FBA-1-KL-5POL			
Sub-D connection	Pin	Pin	Terminal strip
	1		
	2	DA	
	3	DG	
	4		
	5	FG	
	6		
	7	DB	
	8		
	9		
	Housing	SLD	

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-2-M12-5POL			
Sub-D connection	Pin	Pin	Plug
	1		
	2	2	
	3	1	
	4		
	5	3	
	6		
	7	4	
	8		
	9	5	
	Housing	3	

FBA-2-M12-5POL			
Sub-D connection	Pin	Pin	Socket
	1		
	2	2	
	3	1	
	4		
	5	3	
	6		
	7	4	
	8		
	9	5	
	Housing	3	



# Product Range and Company Overview

## A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



### Custom Automation Components

Complete custom engineered solutions



### Custom Control Cabinets

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### Complete Systems

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With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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Electromechanical actuators, motors, controllers & drives



### Pneumatics

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### PLCs and I/O Devices

PLC's, operator interfaces, sensors and I/O devices

## Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

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Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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# Festo North America

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For ordering assistance, or to find  
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**Fax:** 1.800.96.FESTO

**Email:** customer.service@us.festo.com

For technical support,

**Call:** 1.866.GO.FESTO

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