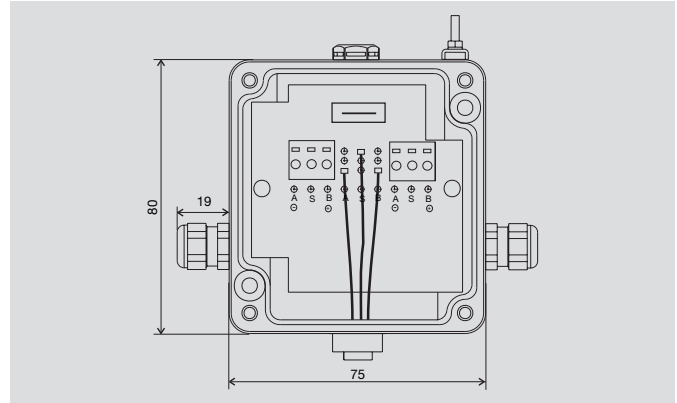




FF distributor, 1-way / type FBCon FF CG – 7/8" 1-way EEx (ia)



The Fieldbus Foundation is an open fieldbus standard. It was specially developed for the requirements of process industry technology, including remote supply and intrinsic safety. Fieldbus Foundation enables users to operate several sensors and actuators on one bus cable. Power supply to the devices is via a twin cable system with digital transmission of the process data.

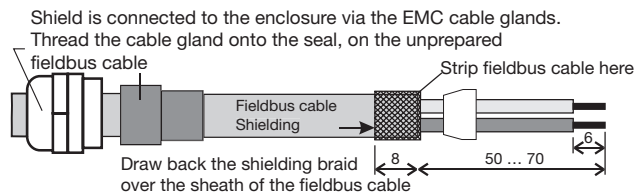
32 devices can be operated in one segment. Repeaters can extend the maximum number to 126 stations with a maximum bus length of 10 km. For a transmission rate of 31.25 kbps, the bus length can reach up to 1900 m without repeaters, or up to 1000 m in explosion-risk areas. The bus can be wired as line, tree or star.

Integration in the Fieldbus Foundation network is achieved by means of a segment coupler.

Specific advantages

- Low wiring costs
- Minimum design costs for the process control system
- Remote interrogation and programming of the field devices
- Intrinsically safe design for use in hazardous areas

Weidmüller can supply Fieldbus Foundation connectors. When servicing work is required or modifications are to be made to the system, Weidmüller Fieldbus Foundation connectors allow for field devices to be connected up or replaced without interrupting the bus system.



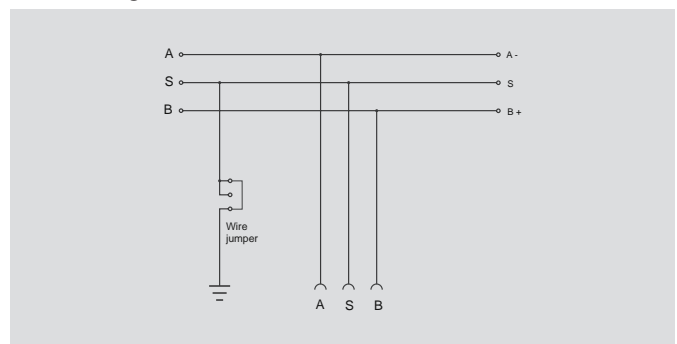
Technical data

Operating temperature	From -40 to +85 °C
Ingress protection class	IP 66
Enclosure material	High grade aluminium alloy (Al-Si 12)
Finish	Enamelled RAL 9005
Fieldbus connection	Tension-clamp terminals 0.5 – 1.5 mm ²
Cable entry	Cable gland M16
Clamping range	5.5 – 9.5 mm

Installation advice

Torques	
M16 cable gland at enclosure	6.25 Nm
Union nut, M16 cable gland	4.5 Nm
Enclosure cover	1.8 – 2.0 Nm
External earthing cable	1.8 – 2.0 Nm

Circuit diagram



Standard distributor for Ex applications EEx(ia)

FBCon

1-way distributor

branch line 7/8 inch



2-way distributor

branch line 7/8 inch



Ordering data

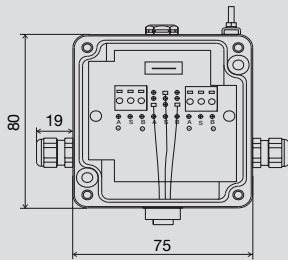
Aluminium housing	Type of connection	Qty.	Order No.
FBCon FF CG-7/8 1way EX	branch line 7/8 inch	1	8564260000
Stainless steel housing			
Trunk line via cable gland			

Ordering data

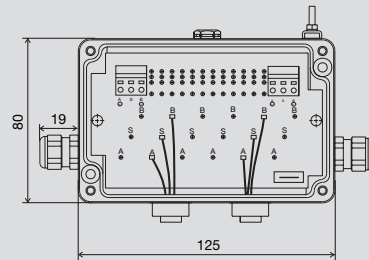
Aluminium housing	Type of connection	Qty.	Order No.
FBCon FF CG-7/8 2way EX	branch line 7/8 inch	1	8564270000
Stainless steel housing			
Trunk line via cable gland			

H

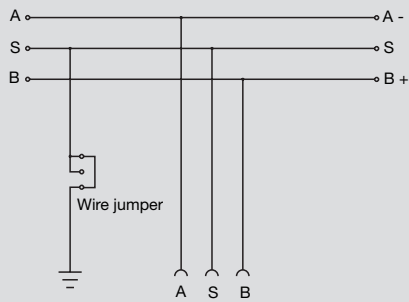
Dimensioned drawing



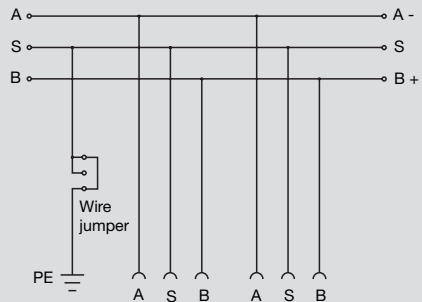
Dimensioned drawing



Wiring diagram



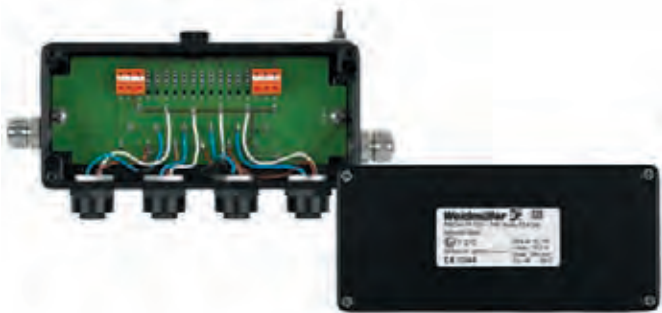
Wiring diagram



Standard distributor for Ex applications EEx(ia)

4-way distributor

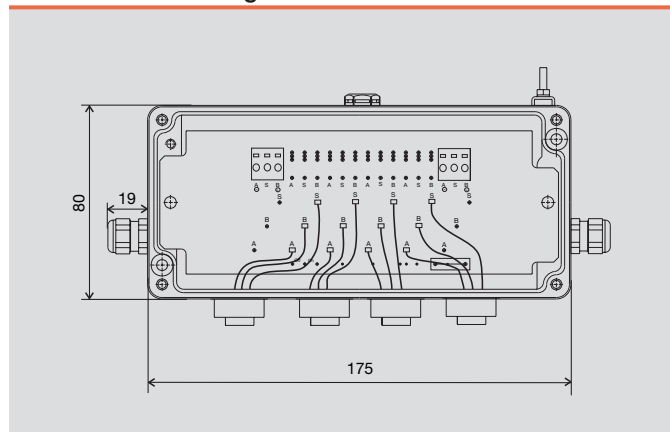
branch line 7/8 inch



Ordering data

Aluminium housing	Type of connection	Qty.	Order No.
FBCon FF CG-7/8 4way EX	branch line 7/8 inch	1	8564280000
Stainless steel housing			
Trunk line via cable gland			

Dimensioned drawing



Wiring diagram

