

## FBCON SS CG 1WAY

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



For standard industrial applications (non-hazardous areas), PROFIBUS PA junction boxes and limiters are available as 1-way, 2-way, 4-way, and 8-way distributors. FBCon limiters are designed to protect connected field devices from over voltages and short circuits. As voltage-limiting protective elements, suppressor diodes are used. Due to the integrated current limitation, the segment is also protected against short circuit on a spur line. EMC cable glands, protection class IP66 and a wide operating temperature range safely protect your connections in harsh environments.

### Functionality

- EMC cable glands for trunk and spurs
- M12 connector for spurs
- External earthing stud
- Pressure equalizing element
- Protection class IP66
- Aluminium and stainless-steel versions
- Profibus PA / Foundation Fieldbus compatible

Note: The use of FBCon products with aluminum enclosures and / or M12 connectors is not recommended in strongly saline environments.

### General ordering data

Version	Standard distributor with bus termination (active), 1-way distributor, IP65, IP66, Round
Order No.	<a href="#">8703430000</a>
Type	FBCON SS CG 1WAY
GTIN (EAN)	4032248398348
Qty.	1 items

## FBCON SS CG 1WAY

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

## Dimensions and weights

Depth	47.5 mm	Depth (inches)	1.8701 inch
Height	36 mm	Height (inches)	1.4173 inch
Width	58 mm	Width (inches)	2.2835 inch
Net weight	451 g		

## Temperatures

Storage temperature	-40 °C...80 °C	Ambient temperature	-40 °C...80 °C
Operating temperature	-40 °C...80 °C	Humidity	5...95 %, no condensation

## Probability of failure

SIL in compliance with IEC 61508 None

## Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	3a5f5913-76fc-4ff5-8563-4463f80bbe02

## Connection data

Clamping range, min.	4 mm <sup>2</sup>	Clamping range, max.	6 mm <sup>2</sup>
----------------------	-------------------	----------------------	-------------------

## Technical data

Number of poles	3	Cable glands	Stainless steel cable gland
Connection type PE	Spur line with cable gland	Type of distribution	1-way distributor
Design of housing	With pressure compensation element	Housing main material	Stainless steel, rust-proof, Aluminum
Cable entry	Round	Conductor O.D., max.	9.5 mm
Conductor O.D., min.	6.5 mm	Type of mounting	surface-mounted
Protection degree	IP65, IP66	Pollution severity	3
Bus system	Profibus-PA, Foundation Fieldbus	Operating voltage	30 V
Housing surface	polished	Operating voltage U <sub>max</sub> , max.	30 V DC

## Part description

Product description The device is a passive field distributor for the fieldbus systems Profibus PA and Foundation Fieldbus H1. The device complies with protection class IP66/IP67. Functional description The device connects up to eight field devices with a fieldbus segment. The device supports earthing concepts with multi-point screen earthing or single-point screen earthing. The earthing concepts are explained in the Profibus PA and Foundation Fieldbus guidelines.

**Technical data**

**Classifications**

ETIM 8.0	EC001604	ETIM 9.0	EC001604
ETIM 10.0	EC001604	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

FBCON SS CG 1WAY

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

Drawings

www.weidmueller.com

