

**FBCON SS PCG 8WAY LIMITER****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 current limiting, 8-channel distributor LIMITER, IP66, IP67, Branch line M12, Round
Order No.	<a href="#">2653690000</a>
Type	FBCON SS PCG 8WAY LIMITER
GTIN (EAN)	4064675267232
Qty.	1 items

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

## Dimensions and weights

Depth	86.5 mm	Depth (inches)	3.4055 inch
Height	77 mm	Height (inches)	3.0315 inch
Width	204 mm	Width (inches)	8.0315 inch
Net weight	1077 g		

## Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...75 °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, 7a, 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>
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## Technical data

Number of poles	3	Cable glands	Plastic screwed cable gland
Type of distribution	8-channel distributor LIMITER	Design of housing	With pressure compensation element
Housing main material	Stainless steel, rust-proof, Aluminum	Cable entry	Branch line M12, Round
Conductor O.D., max.	9.5 mm	Conductor O.D., min.	6.5 mm
Type of mounting	surface-mounted	Protection degree	IP66, IP67
Pollution severity	3	Bus system	Profibus-PA, Foundation Fieldbus
Current limiting	adjustable, 20 mA, 40 mA, 60 mA	Operating voltage	30 V
Power consumption in standby mode	7 mA	Housing surface	polished

## Part description

Product description The device is an active 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 one fieldbus segment. An adjustable current

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monitoring per spur line protects the trunk line from short circuits or overload (see figure B1). Suppressor diodes protect the connected field devices from surge voltages. A red LED indicates a short circuit or overload on the spur line. A green LED indicates sufficient voltage supply on the trunk line.. 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.

**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		

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## Drawings

