

## FBCON PA CG/M12 1WAY 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, 1-channel distributor LIMITER, IP66
Order No.	<a href="#">8714160000</a>
Type	FBCON PA CG/M12 1WAY LIMITER
GTIN (EAN)	4032248398225
Qty.	1 pc(s).

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**Technical data****Dimensions and weights**

Height	36 mm	Height (inches)	1.417 inch
Width	58 mm	Width (inches)	2.283 inch
Length	64 mm	Length (inches)	2.52 inch
Net weight	257 g		

**Temperatures**

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...55 °C
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**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Technical properties**

Operating voltage $U_{\max}$ , max.	18 V DC $\pm 20\%$	Protection degree	IP66
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**Technical data**

Bus system	Profibus-PA, Foundation Fieldbus	Cable entry	Brass cable gland, Branch line M12
Conductor O.D.	-	Connection type PE	M12 spur line
Current limiting	adjustable, 20 mA, 40 mA, 60 mA	Housing main material	Aluminium, AlSi12
Operating voltage $U_{\max}$ , max.	18 V DC $\pm 20\%$	Type of distribution	1-channel distributor LIMITER
Type of mounting	surface-mounted	Colour	grey
Housing main material	Aluminium, AlSi12	Protection degree	IP66
Type of mounting	surface-mounted		

**Classifications**

ETIM 6.0	EC001604	ETIM 7.0	EC001604
ETIM 8.0	EC001604	ECLASS 9.0	27-24-26-08
ECLASS 9.1	27-24-26-08	ECLASS 10.0	27-24-26-08
ECLASS 11.0	27-24-26-08	ECLASS 12.0	27-44-01-11

**Approvals**

Approvals



ROHS	Conform
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**Technical data****Downloads**

Approval/Certificate/Document of Conformity	<a href="#">Certification EAC</a> <a href="#">Certification UL</a> <a href="#">Declaration of Conformity.pdf</a>
Software	<a href="#">Runtime Software – WI-Segment-Calculator</a>
User Documentation	<a href="#">assembly instruction german / english</a> <a href="#">Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch</a> <a href="#">FBCon Segment Calculator_english</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

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**Drawings**

