

FBCON PA CG 1WAY LIMITER

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 current limiting, 1-channel distributor LIMITER, IP66
Order No.	8714200000
Type	FBCON PA CG 1WAY LIMITER
GTIN (EAN)	4032248398287
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	266 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	SCIP	24349764-35 19-400e-887c-4e985c
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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
Conductor O.D.	-	Connection type PE	Spur line with cable gland
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

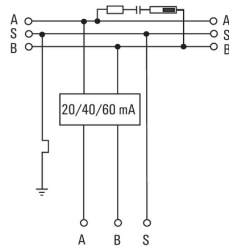
Approval/Certificate/Document of Conformity	Certification EAC Certification UL Declaration of Conformity.pdf
Software	Runtime Software – WI-Segment-Calculator
User Documentation	assembly instruction german / english Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch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

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Drawings



DIP switches

1	2	Current
		20 mA
		40 mA
		60 mA

A → PA-
S → Shield
B → PA+

