

FBCON PA CG 1WAY LIMITER
Weidmüller Interface GmbH & Co. KG

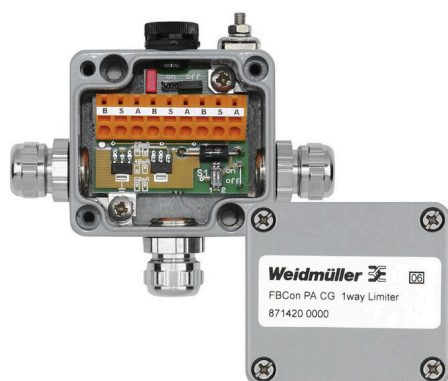
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Do not use product for
new developments



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 items
Delivery status	This article will no longer be available in the future.
Available until	2024-01-14T00:00:00+01:00
Alternative product	FBCON PA CG 1WAY LIMITER

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Height	36 mm	Height (inches)	1.4173 inch
Width	58 mm	Width (inches)	2.2835 inch
Length	64 mm	Length (inches)	2.5197 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

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

Technical data

Cable glands	Brass cable gland	Connection type PE	Spur line with cable gland
Type of distribution	1-channel distributor LIMITER	Design of housing	With pressure compensation element
Housing main material	Aluminium, AlSi12	Type of mounting	surface-mounted
Protection degree	IP66	Bus system	Profibus-PA, Foundation Fieldbus
Current limiting	adjustable, 20 mA, 40 mA, 60 mA	Housing surface	powder coating
Operating voltage U _{max} , max.	18 V DC ±20%		

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 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.
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Classifications

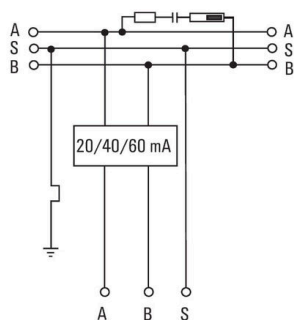
ETIM 8.0	EC001604	ETIM 9.0	EC001604
ETIM 10.0	EC001604	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

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Drawings

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DIP switches

1	2	Current
		20 mA
		40 mA
		60 mA

A → PA-
S → Shield
B → PA+

