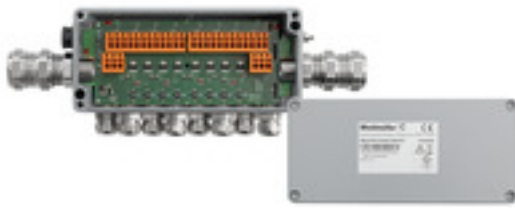


FBCON PA CG 8WAY LIMITER R-T**Weidmüller Interface GmbH & Co. KG**

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, 8-channel distributor LIMITER, IP65, IP66, Trunk line M20, Branch line M16, Round
Order No.	2703850000
Type	FBCON PA CG 8WAY LIMITER R-T
GTIN (EAN)	4064675266648
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	34 mm	Height (inches)	1.339 inch
Width	175 mm	Width (inches)	6.89 inch
Net weight	1,077 g		

Temperatures

Storage 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
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Connection data

Clamping range, min.	4 mm ²	Clamping range, max.	6 mm ²
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Technical data

Bus system	Profibus-PA, Foundation Fieldbus	Cable entry	Trunk line M20, Branch line M16, Round
Cable glands	Brass cable gland	Conductor O.D., max.	9.5 mm
Conductor O.D., min.	6.5 mm	Current limiting	adjustable, 20 mA, 40 mA, 60 mA
Design of housing	With pressure compensation element	Housing main material	Aluminium, Aluminum
Housing surface	polished	Number of poles	3
Operating voltage	10 ... 31 V DC, 30 V UC	Operating voltage U _{max} , max.	30 V DC
Pollution severity	3	Power consumption in standby mode	7 mA
Protection degree	IP65, IP66	Type of distribution	8-channel distributor LIMITER
Type of mounting	surface-mounted		

Classifications

ETIM 6.0	EC001604	ETIM 7.0	EC001604
ETIM 8.0	EC001604	ETIM 9.0	EC001604
ETIM 10.0	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
ECLASS 13.0	27-44-01-11	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

Environmental Product Compliance

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

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www.weidmueller.com**Technical data****Approvals**

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	Certification UL for Canada Certification UL for US
Engineering Data	CAD data – STEP
Software	WI-Segment-Calculator
User Documentation	Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch FBCon Segment Calculator_english Instruction sheet
Catalogues	Catalogues in PDF-format

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Drawings

