

FBCON DP M12 1WAY**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

For Profibus DP and Modbus RS485, FBCon standard T-distributors and terminators connect individual field devices or remote I/O to the bus cable.

Their 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 DP / Modbus RS485 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 without bus termination, 1-way distributor, IP65, IP66
Order No.	8564350000
Type	FBCON DP M12 1WAY
GTIN (EAN)	4032248245178
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	34 mm	Height (inches)	1.339 inch
Width	64 mm	Width (inches)	2.52 inch
Net weight	249 g		

Temperatures

Storage temperature	-40 °C...80 °C	Ambient 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-DP, Modbus RS485	Cable entry	Brass cable gland, Branch line M12, Round
Conductor O.D., max.	9.5 mm	Conductor O.D., min.	6.5 mm
Connection type PE	M12 spur line	Design of housing	With pressure compensation element
Housing main material	Aluminium	Housing surface	stove enamelled
Number of poles	3	Operating voltage	18...30 V DC, 30 V UC
Operating voltage U _{max} , max.	30 V DC	Pollution severity	3
Protection degree	IP65, IP66	Type of distribution	1-way distributor
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, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	3a5f5913-76fc-4ff5-8563-4463f80bbe02

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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 Declaration of Conformity
Engineering Data	CAD data – STEP
Product Change Notification	20220208 Technical change to FBCon field distributors (passive, with aluminum housings)
User Documentation	Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

