Data sheet

FBCON DP CG TERM 24V

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 with bus termination (active), Terminator, IP65, IP66
Order No.	8564290000
Type	FBCON DP CG TERM 24V
GTIN (EAN)	4032248404650
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Dimensions and weights

Depth	34 mm	Depth (inches)	1.3386 inch
Height	34 mm	Height (inches)	1.3386 inch
Width	64 mm	Width (inches)	2.5197 inch
Net weight	263 g		

Temperatures

Storage temperature	-25 °C...75 °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

Environmental Product Compliance

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

Connection data

Clamping range, min.	4 mm²	Clamping range, max.	6 mm²

Technical data

Number of poles	3	Connection type PE	Spur line with cable gland
Type of distribution	Terminator	Design of housing	With pressure compensation element
Housing main material	Aluminium	Cable entry	Brass cable gland, Round
Conductor O.D., max.	9.5 mm	Conductor O.D., min.	6.5 mm
Type of mounting	surface-mounted	Protection degree	IP65, IP66
Pollution severity	3	Bus system	Profibus-DP, Modbus RS485
Operating voltage	30 V	Housing surface	stove enamelled
Operating voltage Umax, max.	30 V DC		

Part description

Product description	The device is an active terminating resistor for the fieldbus system Profibus PA. The device complies with protection class IP66/IP67. Functional description The device connects one field device with one fieldbus segment. The device supports earthing concepts with multi-point screen earthing or single-point screen earthing. The earthing concepts are explained in the Profibus 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

