

EPIC® DATA PB Sub-D

PROFIBUS connectors with screw terminals | REPEATER function

PROFIBUS Sub-D connector, screw terminals, integrated bus termination, optional LED diagnostic/interfaces, cable outlet 35°/90°/180°

Info

Optional with LED diagnostic

M12 and REPEATER version

Versions with 2nd Sub-D interface



Supplementary automation components from Lapp



Low weight



Space requirement

Benefits

Easy connection with tried-and-tested M12 / screw terminal technology sensor/ ac

Terminating resistor (integrated) can be switched

REPEATER version: Regeneration of data signal (slope, power and mark-to-space ratio)

Product features

Max. transmission rate 12 Mbit/s possible

Current consumption max. 12,5 mA

(with LED 35 mA / REPEATER 100 mA)

Supply voltage 4.75 - 5.25 V DC

(supplied from the terminal)

Terminating resistor "ON" - the outbound bus cable is disconnected

REPEATER version: Easy extension of the PROFIBUS network:

- up to 3 repeaters

- 1 additional PROFIBUS segment

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You can find the current technical data in the corresponding data sheet.

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- galvanic isolation

Norm references / Approvals

IEC 61158, IEC 61784

UL File No. E331560

ATEX version: DIN EN 60079-0:2006, DIN 60079-15:2005 (category 3G zone 2)

Product Make-up

D-Sub plug, 9-pin, fixing screws 4-40 UNC

Improved electromagnetic compatibility (EMC) by metallized housing

Versions with additional Sub-D interface for programming/diagnostic ('PG')

For cable outer diameter: 5 – 8 mm / M12 B-coded cordsets

LED Version indicate:

bus operation - (green)

station transmission - (blue)

terminating resistor "on" - (orange)

Technical Data

Classification ETIM 5:	ETIM 5.0 Class-ID: EC001132 ETIM 5.0 Class-Description: D-Sub connector
Classification ETIM 6:	ETIM 6.0 Class-ID: EC001132 ETIM 6.0 Class-Description: D-Sub connector
Dimensions:	54 mm x 40 mm x 17 mm - 35° 64 mm x 40 mm x 17 mm - 90° 68 mm x 40 mm x 17 mm - 180° 70 mm x 40 mm x 17 mm - M12 (LxWxH)
Connection type:	Screwing M12
Protection rating:	IP 20
Terminating resistor:	150 Ω
Interfaces:	Sub-D socket, 9-pin Terminal blocks up to 1.0 mm ² /M12 B-coded
Permissible ambient conditions:	Operating temperature: -25 °C to +85 °C *The max. temperature for UL is 60 °C

Note

Photographs and graphics are not to scale and do not represent detailed images of the respective products.

Prices are net prices without VAT and surcharges. Sale to business customers only.

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Article number	Article designation	Version	PG-Interface	Diagnostic LEDs
35° cable outlet				
21700507	ED-PB-35	-	no	no
21700506	ED-PB-35-PG	-	yes	no
90° cable outlet				
21700504	ED-PB-90	-	no	no
21700503	ED-PB-90-PG	-	yes	no
21700530	ED-PB-90-LED	-	no	yes
21700529	ED-PB-90-PG-LED	-	yes	yes
21700541	ED-PB-90-RP-PG	REPEATER	yes	yes
180° (AX) cable outlet				
21700505	ED-PB-AX	-	no	no

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