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# IL PB BK DP/V1-PAC


Order No.: 2862246



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2862246>

PROFIBUS bus coupler DP/V1, complete with I/O connectors



Commercial data	
GTIN (EAN)	 4 017918 907471
sales group	K410
Pack	1 pcs.
Customs tariff	85389091
Catalog page information	Page 255 (AX-2009)

#### Product notes

WEEE/RoHS-compliant since:  
03/19/2008



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

Technical data	
General data	
Width	85 mm
Height	119.8 mm
Depth	71.5 mm
Weight	240 g

Note on weight specifications	with male connectors
Mounting type	DIN rail
Ambient temperature (operation)	0 °C ... 55 °C
Permissible humidity (operation)	85 % (no condensation)
Permissible humidity (storage/transport)	85 % (no condensation)
Air pressure (operation)	80 kPa ... 106 kPa (up to 3000 m above sea level)
Air pressure (storage/transport)	70 kPa ... 106 kPa (up to 3000 m above sea level)
Degree of protection	IP20
Test section	RS-485 interface / supply voltage 500 V
	RS-485 interface / local bus 500 V
Mechanical tests	Vibration resistance in acc. with IEC 60068-2-6 5g
	Shock test in acc. with IEC 60068-2-27 Operation: 25 g, 11 ms duration, semi-sinusoidal shock impulse

#### Interface

Fieldbus system	Lokalbus
Name	Inline local bus
Type of connection	Inline data jumper
Transmission speed	500 kBaud
Fieldbus system	PROFIBUS-DP
Name	PROFIBUS DP
Type of connection	D-SUB-9 female connector
Transmission speed	9,6 kBit/s bis 12 MBit/s
Number of positions	9
Name	Supply
Type of connection	8-pos. Inline connector

#### System limits of the bus coupler

Number of process data	max. 176 Byte (per station)
	max. 176 Byte (Input)
	max. 176 Byte (Output)

#### Power supply for module electronics

Type of connection	Inline connectors
Supply voltage	24 V DC (via Inline connector)
Supply voltage range	19.2 V DC ... 30 V DC (including all tolerances, including ripple)
Current consumption	max. 1.25 A

### Inline potential routing

Communications power $U_L$	7.5 V DC $\pm 5\%$
Power supply at $U_L$	max. 2 A DC
Main circuit supply $U_M$	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at $U_M$	max. 8 A DC (Sum of $U_M + U_S$ )
Segment supply voltage $U_S$	24 V DC -15% / +20% (in acc. with EN 61131-2)
Power supply at $U_S$	max. 8 A DC (Sum of $U_M + U_S$ )
I/O supply voltage $U_{ANA}$	24 V DC -15% / +20%
Power supply at $U_{ANA}$	max. 0.5 A DC

### Certificates / Approvals



Certification CUL Listed, GOST, UL Listed

Certification Ex: CUL-EX LIS, UL-EX LIS

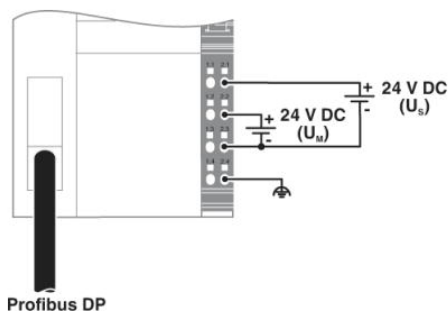
### Accessories

Item	Designation	Description
<b>Assembly</b>		
3022218	CLIPFIX 35	Snap-on end bracket, for 35 mm NS 35/7.5 or NS 35/15 DIN rail, can be fitted with Zack strip ZB 8 and ZB 8/27, terminal strip marker KLM 2 and KLM, width: 9.5 mm, color: gray
<b>Marking</b>		
0809492	ESL 62X10	Insert strip for laser printer, lettering field: 62 x 10 mm
2727501	IB IL FIELD 2	Labeling field, width: 12.2 mm
<b>Plug/Adapter</b>		
2727637	IB IL SCN-PWR IN-CP	Connector, colored, for Inline power and segment terminal blocks
2744348	SUBCON-PLUS-PROFIB	D-SUB connector, 9-pos., male connector, two cable entries < 35°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; spring-cage connection terminal blocks

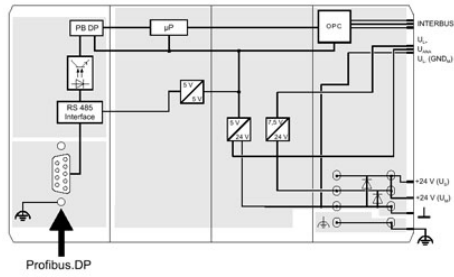
2313672	SUBCON-PLUS-PROFIB/90/IDC	D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; IDC terminal block connection
2313685	SUBCON-PLUS-PROFIB/90/PG/IDC	D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB female connector for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; IDC terminal block connection
2313708	SUBCON-PLUS-PROFIB/90/PG/SC	D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB female connector for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks
2313698	SUBCON-PLUS-PROFIB/90/SC	D-SUB connector, 9-pos., male connector, cable entry < 90°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks
2744380	SUBCON-PLUS-PROFIB/AX/SC	D-SUB connector, 9-pos., male connector, axial version with two cable entries, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks
2708245	SUBCON-PLUS-PROFIB/PG/SC2	D-SUB connector, 9-pos., male connector, cable entry < 35°, bus system: PROFIBUS DP up to 12 Mbps with PG D-SUB female connector for connecting a programming device, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks
2708232	SUBCON-PLUS-PROFIB/SC2	D-SUB connector, 9-pos., male connector, cable entry < 35°, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

## Diagrams/Drawings

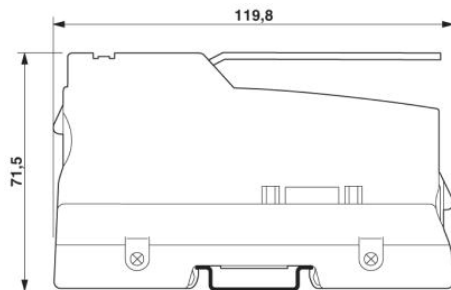
### Connection diagram



Block diagram



Dimensioned drawing



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