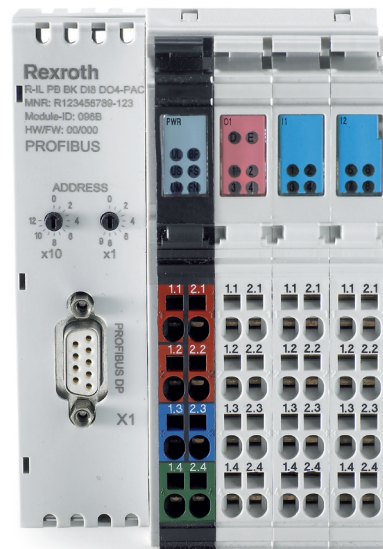


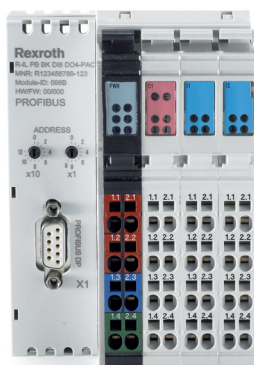
Fieldbus coupler  
**PROFIBUS**



Fieldbus coupler

**PROFIBUS****Documentation**

• Data sheet

**Technical data**

		R-IL PB BK DI8 DO4-PAC
<b>System data</b>		
<b>Interfaces</b>		PROFIBUS
		local bus
<b>Number of segments per station</b>		max. 63
<b>Total of all I/O data per station</b>		max. 244 Byte
<b>Digital outputs</b>		
<b>Number</b>		4
<b>Nominal output voltage UOut</b>		24 V DC
<b>Differential voltage at INom</b>	<b>Max. [V]</b>	1
<b>Nominal current INom per channel</b>	<b>[A]</b>	0.5
<b>Nominal current tolerances</b>		+ 10 %
<b>Protection</b>		Short-circuit/overload
<b>Actuator connection type</b>		2-, 3-wire connection
<b>Digital inputs</b>		
<b>Number</b>		8
		Digital inputs
<b>Design</b>		According to EN 61131-2 type 1
<b>Switching thresholds max. voltage at low level UL<sub>max</sub></b>		< 5 V
<b>Switching thresholds Max. voltage at high level UH<sub>max</sub></b>		> 15 V
<b>Common potentials</b>		Segment supply, ground
<b>Nominal input UI<sub>Nom</sub></b>	<b>[V DC]</b>	24
	<b>Permissible nominal input voltage range</b>	-30 V DC < UIN < + 30 V DC
	<b>[mA]</b>	3
<b>Permissible line length</b>	<b>[m]</b>	30
<b>Sensor connection type</b>		2-, 3-wire connection
<b>Electric data</b>		
<b>Voltage supply</b>	<b>Typ. [V]</b>	24

Fieldbus coupler

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Voltage Supply Range	Min. [V]	19
	Max. [V]	30
Logic voltage U <sub>L</sub>		7,5 V (from external 24 V DC voltage changed)
		max. 2 A
Segment feed U <sub>S</sub> /U <sub>M</sub>	[V DC]	24
	Max. [A]	8
	Tolerances	-15/+20 %
Analog supply U <sub>ANA</sub>	[V DC]	24
	Tolerances	-15% ... +20 %
	Max. [mA]	0.5
Transmission speed		500 kbauds or 2 Mbauds (automatic detection)
Error message to the higher level control system		Short-circuit/overload
<b>Protection</b>		
Category Total		IP20
Protection		Class 3 according to VDE 0106, IEC 60536
<b>Forces</b>		
Vibration Resistance	[g]	5
Shock Resistance	[g]	25
<b>Standards</b>		
Certification		UL 508
<b>Weight</b>		
Weight		320 g
<b>Ambient conditions</b>		
Ambient temp. operation	Min. [°C]	-25
	Max. [°C]	55
Ambient temp. storage	Min. [°C]	-25
	Max. [°C]	85
Relative humidity operation	Min. [%]	5
	Max. [%]	90
Relative humidity storage	Min. [%]	5
	Max. [%]	95
Atmospheric pressure (operation)	Min. [kPa]	80
	Max. [kPa]	106
	EN 60034-1	(up to 2,000 above MSL)
Atmospheric pressure (transport/storage)	Min. [kPa]	70
	Max. [kPa]	106
	EN 60034-1	(up to 3,000 above MSL)

**Dimensions**

R-IL PB BK DI8 DO4-PAC

Fieldbus coupler

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Dimensions		
Height H	[mm]	121
Width W	[mm]	80
Depth D	[mm]	70

**Type code**

Type code	Description	Part No.:
R-IL PB BK DI8 DO4-PAC	PROFIBUS DP bus coupler, 8 digital inputs, 4 digital outputs, 500 mA	R911170402

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The data specified above only serve to describe the product.

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