



DATASHEET

Issue 1.0

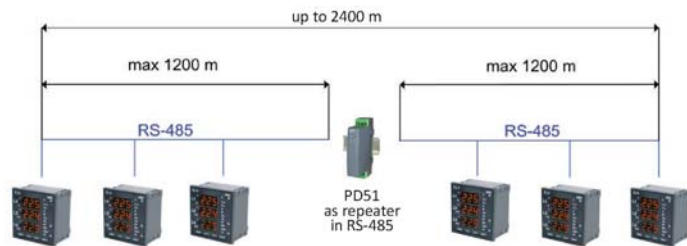
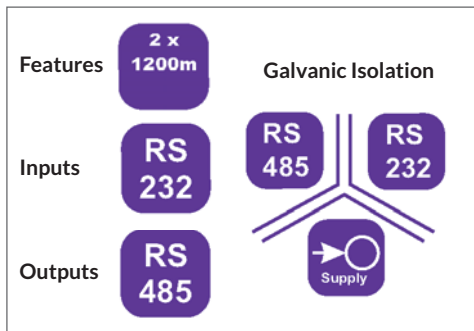
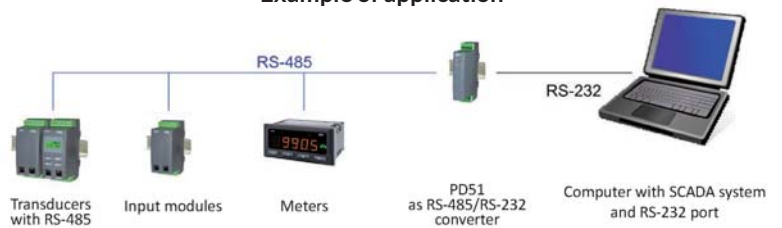


PD51 CONVERTER OF RS-232/RS-485 INTERFACES

Features

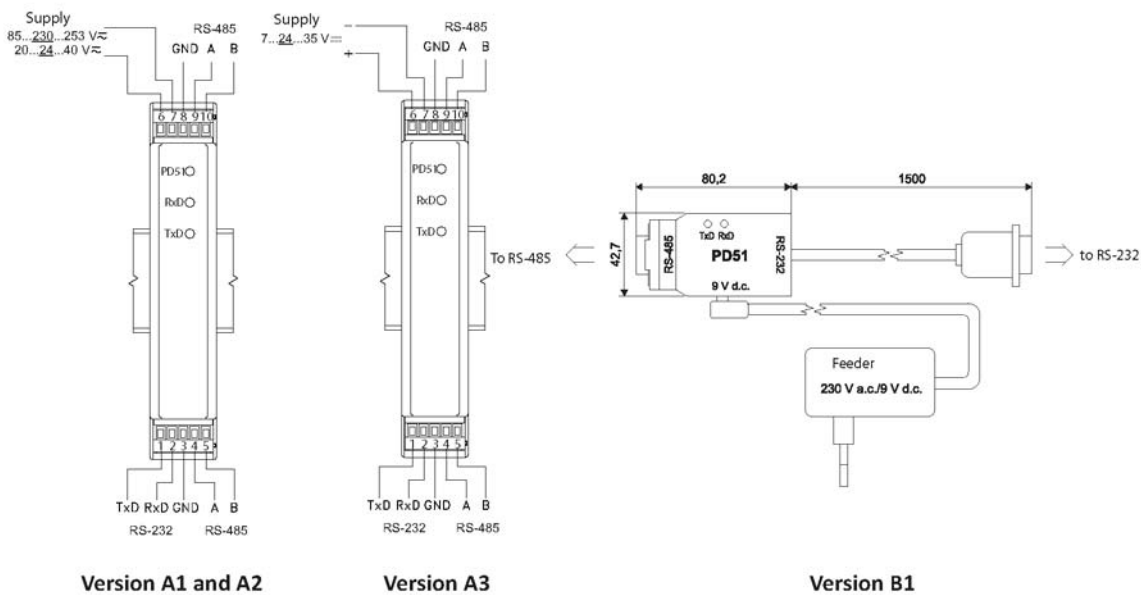
- Exchange of the RS-232 interface into industrial RS-485 interface
- Enables the bus range and the number of devices increase in the RS-485 network
- Ensures the automatic control of the data flow direction
- In order to protect devices at both sides of interfaces, a galvanic separation is applied in the converter.

Example of application



Digital Interface		
Interface type RS-485/RS-232	Properties	
	Transmission rate:	1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 Mb/s
	Steering of the data flow direction:	automatic
	Working mode:	converter or repeater
External Features		
Overall dimensions	52 x 44 x 24 mm	
Weight	0.1 kg	with packing
Protection grade	Housing: IP40	from terminal side: IP20
Fixing	On a rail	
Rated Operating Conditions		
Supply voltage	7...35 V d.c. or 20...24...40 V a.c./d.c. or 85...230...253 V a.c./d.c.	Input power: $\leq 1.5 V_a$ Supply frequency: 40...50...440 Hz
Temperature	Ambient: 0...23...55°C	Storage: 0...70 °C
Relative humidity	< 85%	
Operating position	any	
External magnetic field	400 A/m	
Admissible sinusoidal vibrations	Frequency: 10..150 Hz	Shift amplitude: ≤ 0.35 mm
Safety and Compatibility Requirements		
Electromagnetic compatibility	Noise immunity	acc. to EN 61000-6-2
	Fastness against supply decays	acc. to EN 61000-6-2
	Emission of radio electric perturbations	acc. to EN 61000-6-4 acc. to EN 61010-6-1
Pollution level	2	
Installation category	III	
Maximum phase-to-earth operating voltage	For supply circuits: 300 V, For other circuits: 50 V	

Connection Diagrams



Ordering

Converter of RS-232/RS-485 interfaces	XX	XX	X
Supply voltage:			
on-rail version: 85..230..253 V a.c./d.c.	A1		
20..24..40 V a.c./d.c.	A2		
7..24..35 V d.c.	A3		
portable version 9 V d.c.	B1		
Version:			
standard		00	
custom - made *		XX	
Acceptance tests:			
without additional requirements			8
with an extra quality inspection certificate			7
acc. to customer's request *			X

* after agreeing with the manufacturer

Ordering example:

The code: **PD51 - A1 00 7** means:

- PD51** - Converter of PD51 type
- A1** - supply voltage: 85...230...253 V a.c./d.c.
- 00** - standard version
- 7** - with an extra quality inspection certificate

Contact

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