RPT 485

Bus splitter RS485

Overview

- Enables the RS485 bus to split into 4 galvanically isolated branches
- Automatic data control on RS485 level
- Red LED indicator for the input branch acquisition
- Green LED indicators for the output branches acquisition
- Two-wired RS485

Usage

RPT485 module connects the device with the serial RS485 in cases when RS485 needs to be split into additional branches (max length being 1,200m). The module uses Automatic Data Direction Control technique (ADDC), so no additional control signals are needed for communication. There's a layer of galvanic isolation between each RS485 branch.

Design

Cabur CH cases (dimensions: WxDxH 24x85x121mm)

Connections

3 pin connectors for the RS485 and 2 pin connectors for the power source.

Technical specifications

Operating temperature:	0-50°C
Operating humidity:	5 to 95% RH
Power/voltage:	5V DC/DC internal
Consumption:	400mA@5V typically 250mA

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Pin array:

CON.1		
PIN	**name**	**DESCRIPTION**
1	A1	Signal A for branch 1
2	B1	Signal B for branch 1
3	C1	Point C for branch 1

CON.2		
PIN	**name**	**DESCRIPTION**
4	A2	Signal A for branch 2
5	B2	Signal B for branch 2
6	C2	Point C for branch 2

CON.3		
PIN	**name**	**DESCRIPTION**
7	A3	Signal A for branch 3
8	B3	Signal B for branch 3
9	C3	Point C for branch 3

CON.4		
PIN	**name**	**DESCRIPTION**
10	A4	Signal A for branch 4
11	B4	Signal B for branch 4
12	C4	Point C for branch 4

CON.5		
PIN	**name**	**DESCRIPTION**
13	A5	Signal A for the incoming branch
14	B5	Signal B for the incoming branch
15	C5	Point C for the incoming branch

CON.6	
PIN	**DESCRIPTION**
16	+5V
17	GND5V

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