Active stub line „ASTL“ MIYATCHI

Function

The **ASTL** allows the feedback-free connection of a device as an active stub line. This is possible because of the integrated repeater function in the connector. The 5 V supply required for repeater operation shall be made available through the pin 5 (GND) and the pin 6 (+5 V) of the contacted 9-pin sub-D socket. It can be basically assumed that all slaves of the PROFIBUS norms support the relevant pin assignment. It can be basically assumed that all slaves of the PROFIBUS norms support the relevant pin assignment.

Connection

- 9-pin sub-D plug with integrated repeater (X1 cable outlet axial)
- 9-pin sub-D plug (X2 outlet axial 45°)

Electrical parameters

- Baud rate: 9,6 kbps to 12 Mbps
- Supply voltage: 4.75 to 5.25 VDC
  has to be provided by each PROFIBUS user (Pin 5 GND, Pin 6 +5V)

Design

- Length: 60 cm

Ambient conditions

- Operating temperature: 0 °C to +60 °C
- Transport / storage temperature: -20 °C to +60 °C
- Industrial protecti P20
- Relative humidity: 75 % (non-condensing)

Pin assignment

Connector X1, connection measuring (repeater function)

Pin	Function	Note
1	not used	
2	M24	connects to X2 Pin 2
3	B	RS 485 data
4	not used	
5	GND	connects to X2 Pin 5
6	VCC	supply voltage +5V
7	P24	connects to X2 Pin 7
8	A	RS 485 data reversed
9	not used	

Connector X2, connection slave

Pin	Function	Note
1	not used	
2	M24	connects to X1 Pin 2
3	B	RS 485 data
4	RTS - AS	directional control from slave
5	GND	connects to X1 Pin 5
6	not used	
7	P24	connects to X1 Pin 7
8	A	RS 485 data reversed
9	not used	

Ordering details	Art. No.
Active stub line „ASTL“ MIYATCHI	110040006

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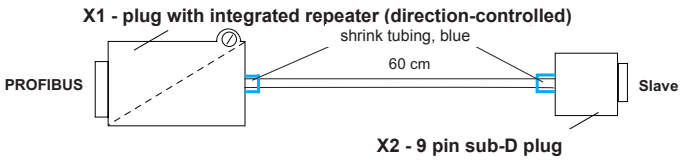
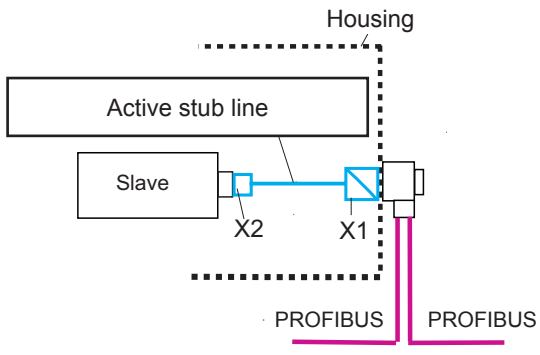


Engineering drawing



Example of use

Updated 05/2016