

2.10.5. Connection of the Port1 Connector – MBUS

Panel socket RJ45.

Pin number	Signal mark	Description	Data flow direction
1	GND	Signal and supply ground	
2	GND	Signal and supply ground	
3	TxRx-	MBUS B (-)	Input/Output
4	TxRx+	MBUS A (+)	Input/Output
5	TxRx-	MBUS B (-)	Input/Output
6	TxRx+	MBUS A (+)	Input/Output
7	+12 V EXT	External power supply	
8	+12 V EXT	External power supply	

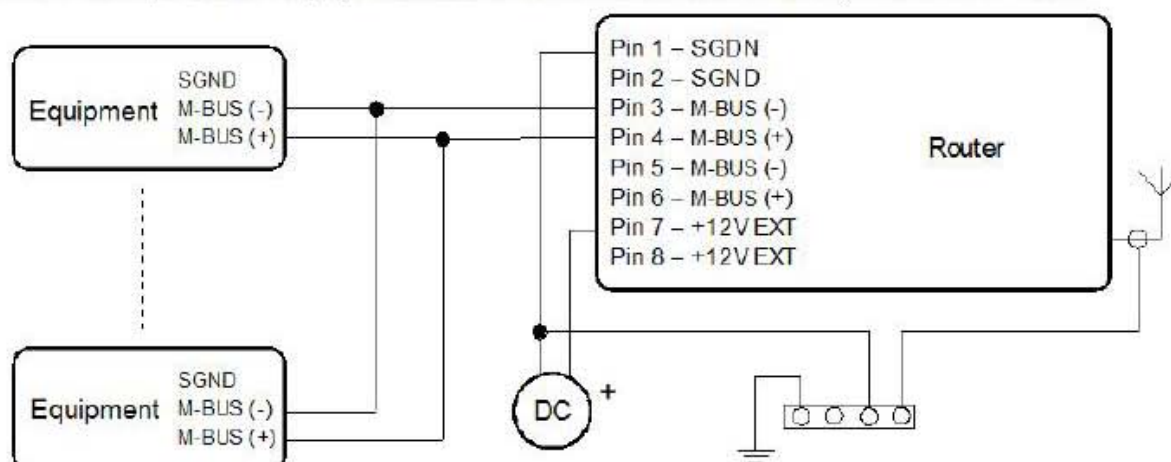


ATTENTION! External supply is for converter MBUS!

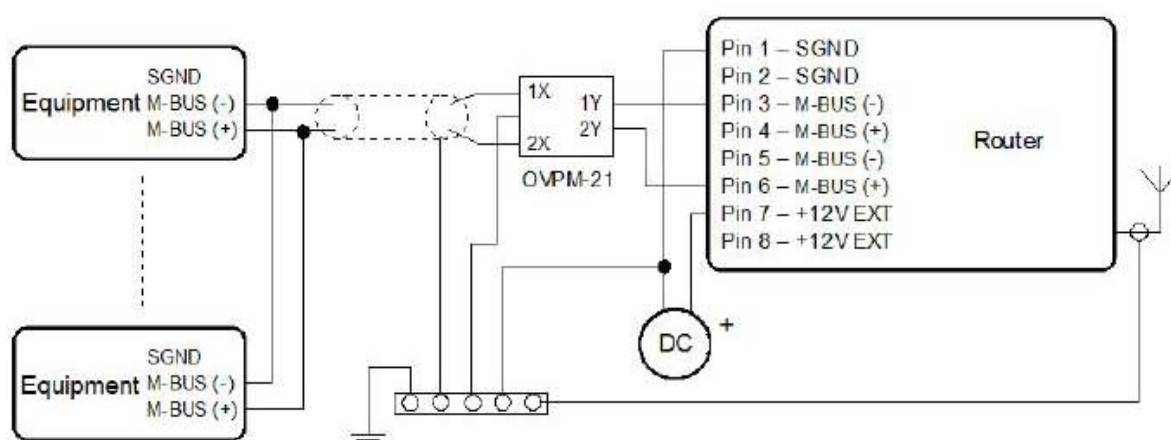
If galvanic separation is required the converter must have external power supply.



Circuit example of the equipment with a router with data cable length less than 10 m:



Circuit example of the equipment with a router with data cable length more than 10 m:



With a M-BUS data cable more than 10m it is necessary to use overvoltage protection on the router side!