

## Nirav Upadhyay

**From:** Kerber,Andrew <AKerber@jnegroup.com>  
**Sent:** May 29, 2023 10:31 AM  
**To:** HMS  
**Subject:** 00008126.02 - Anybus 3007 - Functional Earth & Signal Ground

Good morning.

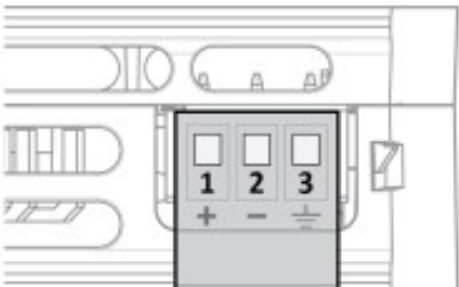
I have a few quick wiring questions; I am using the Anybus 3007 for an RS-485 to EIP application. There are two connectors, a power connector, and a signal connector. The power connector has a functional earth, and the signal connector has a functional earth and a Signal ground.

My interpretation of RS-485 networks, is that the shield runs to the signal ground pin (S4). All devices on their subs have their shields cut and taped back, similar to other analog in/out field devices.

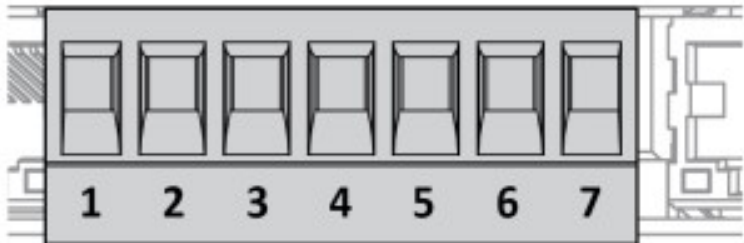
1. Do I just need to attach the P3 functional earthing pin to a ground bar where the Anybus module is located?
2. Do I also need to connect the S3?
3. Are they internally jumpered?

Thanks for your help!

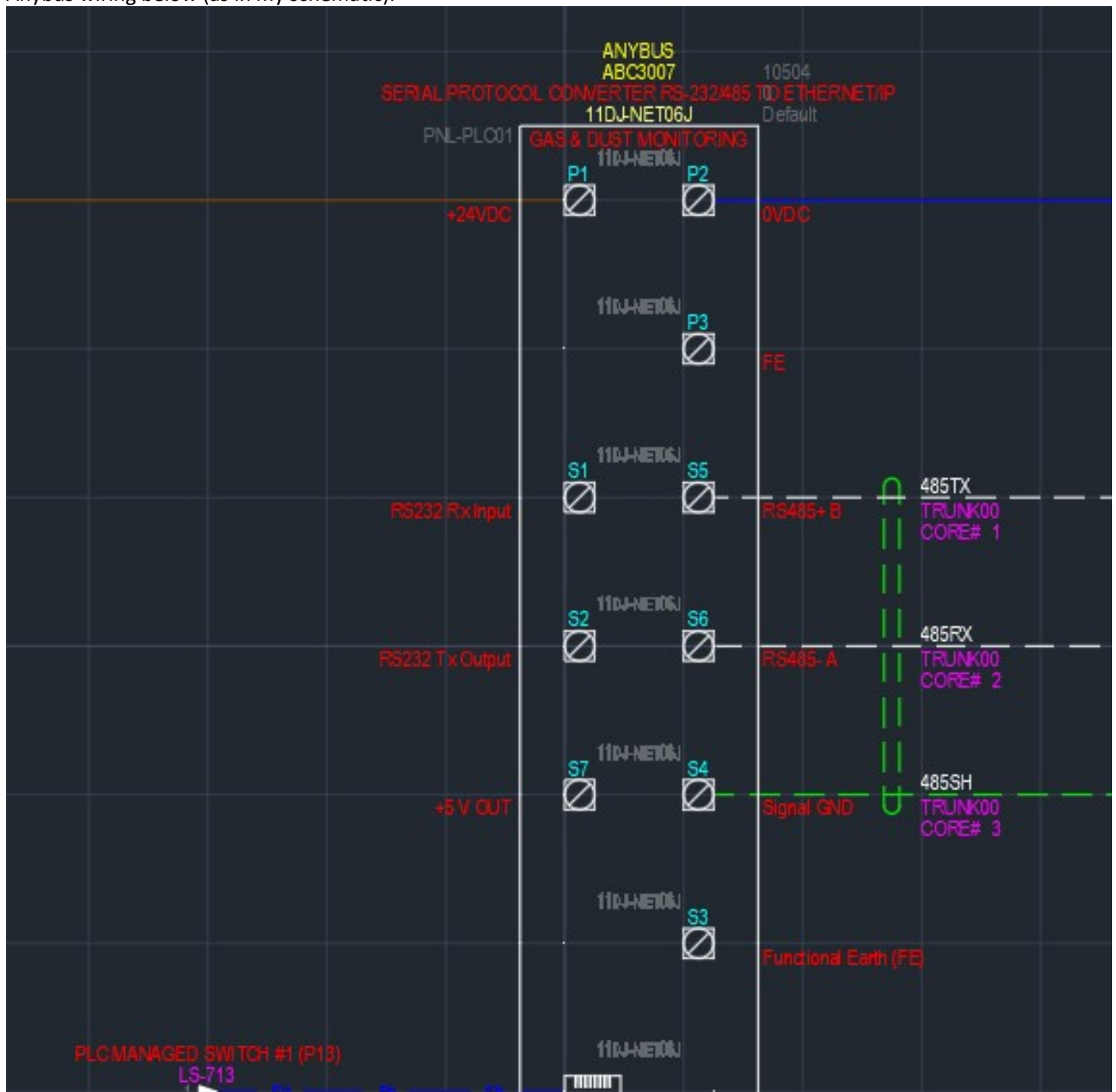
SCM-1202-152 Version 1.11 Pages 16-17

Power port	Pin	Descri
	1	12-30 V
	2	Ground
	3	Function

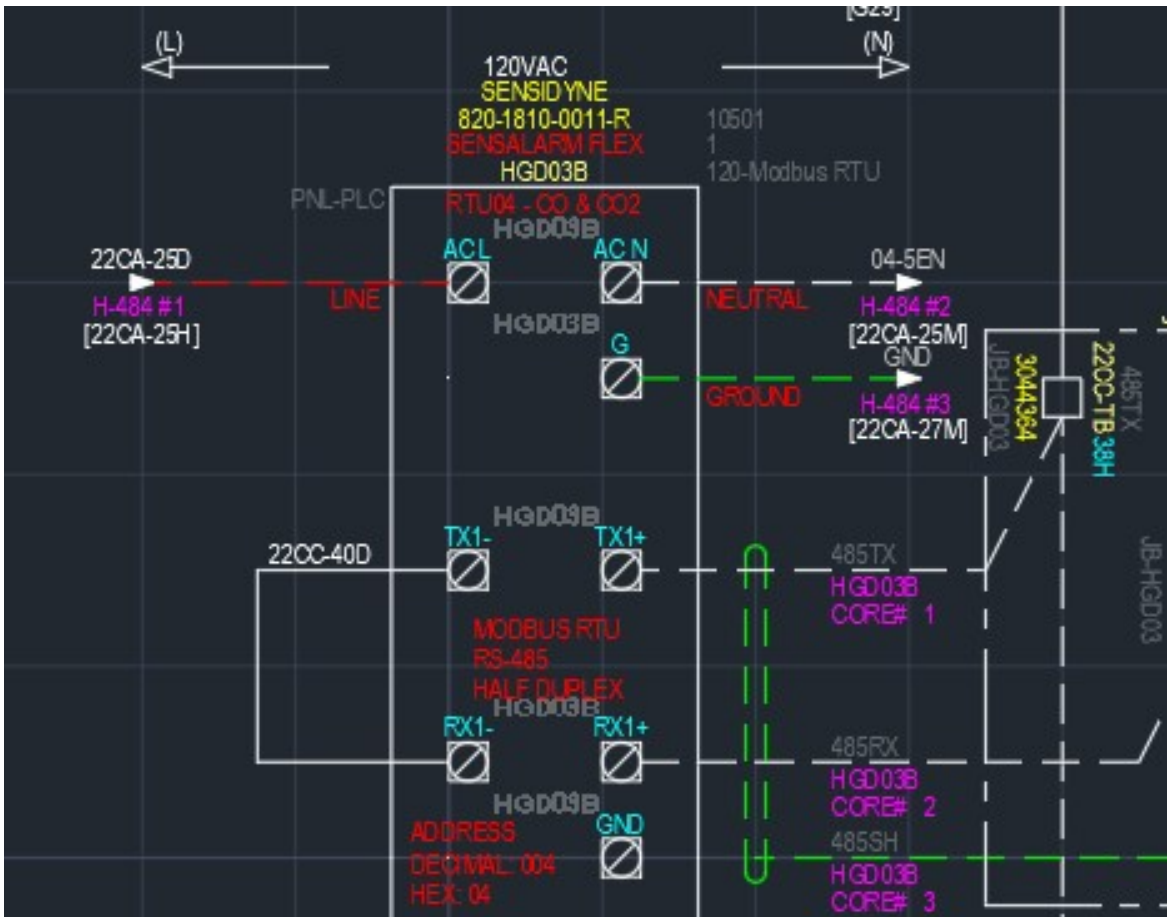
  

7-pin connector	Pin	Signal
	1	RS232 I
	2	RS232 +
	3	Function
	4	Signal G
	5	RS485+
	6	RS485-
	7	+5 V DI

Anybus wiring below (as in my schematic).



Typical stub shown below (as in my schematic).



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