Bronkhorst®

doc.nr.: 9.16.217A
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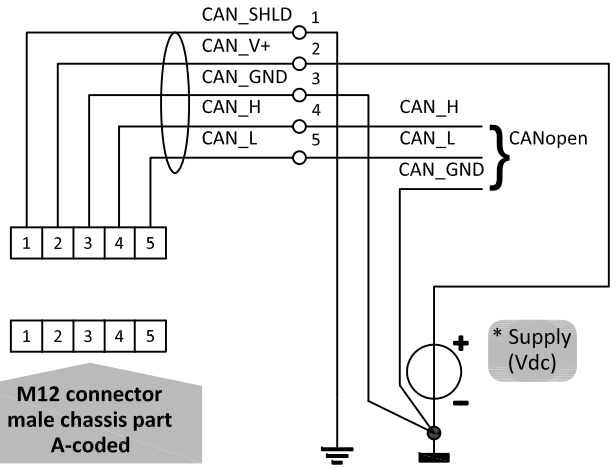
CANopen

MBC3 Hook-up diagram
Multibus instruments
Laboratory style

CANopen connection



B — M12 connector male chassis part A-coded

POWER SUPPLY WARNING

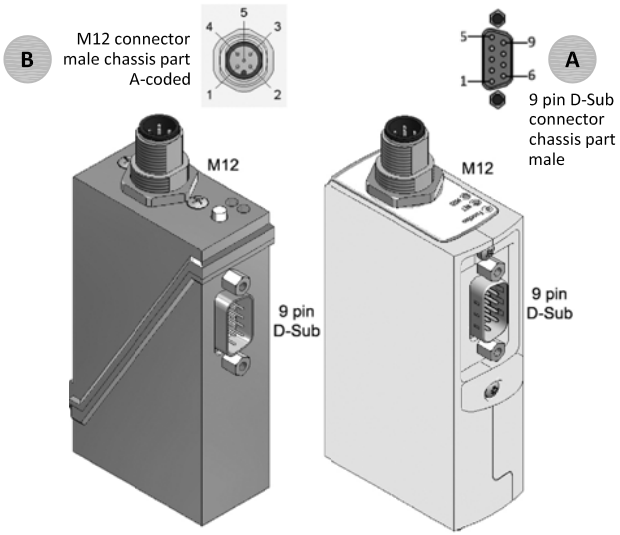
Do not power the instrument simultaneously from two different power sources (e.g. bus connection and Plug-in Power Supply). Doing so will damage the printed circuit board irreparably.

Model key explanation

For other explanation see 9.16.118

Option: Pin 1&6 [X X] - Pin 5 [X X X]
or
.. - [X X X] - .. - [X X] - [X X X]

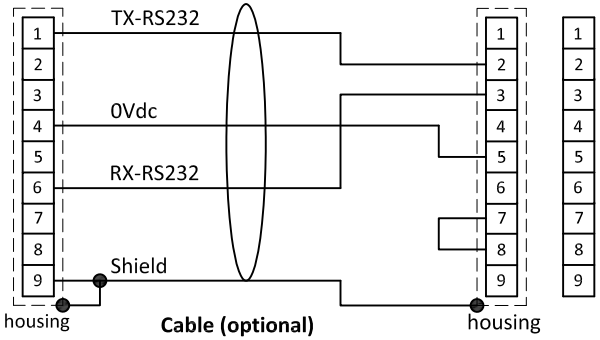
D	+15Vdc - 24Vdc power supply *	
	*standard power supply DeviceNet/CANopen: 24Vdc	
A	Output / setpoint	0-5Vdc
B	Output / setpoint	0-10Vdc
F	Output	0-20mAdc sourcing
	Setpoint	0-20mAdc sinking
G	Output	4-20mAdc sourcing
	Setpoint	4-20mAdc sinking
K	(CANopen), Normally closed valve	
L	(CANopen), Normally opened valve	



A

1	TX-RS232/BUS
2	Analog output
3	Analog input
4	0V power
5	Custom [1]
6	RX-RS232/BUS
7	+Us
8	0V sense
9	Shield

Instrument signals



Cable (optional) 7.03.367

Note:
When using a field bus or RS232, it is not possible to operate the instrument by using the setpoint signal of the analog D-sub connector without changing the value of parameter ''control mode''.
See doc.nr. 9.17.023 for more details

Note:
Do not connect an external valve to instruments which is set as meter.

Note:
Powering a single instrument is possible by the D-sub connector.
Please consult 9.16.119 for a connection diagram.

9 pin D-Sub connector chassis part male

9 pin D-Sub connector cable part female

RS232 COM -port 9 pin D-Sub connector chassis part male

Note:
1) Default disabled, 0Vdc.