RS232+Analog I/O

RS232 connection

TX-RS232
RX-RS232
0Vdc
Shield

RS232 CDM-port
8 pin D-Sub connector chassis part male

T-adapter cable 7.03.366

Model key explanation

For other explanation see 9.16.118

Pin 1 & 6
Pin 5
Option:

\[ \text{X-X} \]

Default 0...10Vdc
Controller output

\[ \text{A} \]

Default RS232.

\[ \text{A} \]

Analog setpoint mode
Digital setpoint mode

\[ +15Vdc ... 24Vdc power supply \]

Output / setpoint 0...5Vdc
Output / setpoint 0...10Vdc
Output 0...20mA sourcing
Setpoint 0...20mA sinking
Output 4...20mA sourcing
Setpoint 4...20mA sinking

(No fieldbus), Normally closed valve
(No fieldbus), Normally opened valve

Note:
0V power (pin 4) and 0V sense (pin 8) should be separately connected to the 0V terminal at the power supply.

Note:

1) Check model key for custom pin 5 ID configuration. (Default = A2V = 0...10Vdc.)
2) Check model key for custom BUS configuration. (Default = xA = RS232)
3) Check Model key for analog or digital setpoint mode. (Ax = analog, Ox = digital)
When using a fieldbus 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.
Do not connect an external valve to instruments, set as MFm or EPM.