

Handling BICO technology

Binector: r0723.15

Binectors are binary signals that can be freely interconnected (BO = Binector Output). They represent a bit of a "BO:" display parameter (e.g. bit 15 from r0723).

Connector: r0723

Connectors are "analog signals" that can be freely interconnected (e.g. percentage variables, speeds or torques). Connectors are also "CO:" display parameters (CO = Connector Output).

Parameterization:

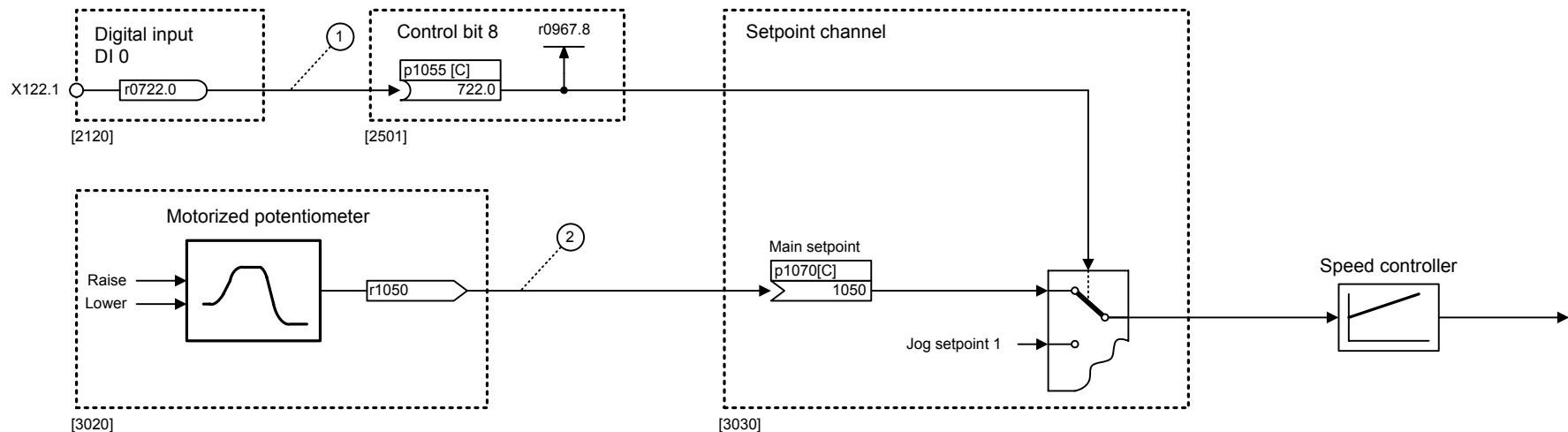
At the signal destination, the required binector or connector is selected using appropriate parameters:

"BI:" parameter for binectors (BI = Binector Input)

or
"CI:" parameter for connectors (CI = Connector Input)

Example:

The main setpoint for the speed controller (CI: p1070) should be received from the output of the motorized potentiometer (CO: r1050) and the "jog" command (BI: p1055) from digital input DI 0 (BO: r0722.0, X122.1 terminal) on the CU320.



Parameterizing steps:

- ① p1055[0] = 722.0 Terminal X122.1 acts as "Jog bit 0".
- ② p1070[0] = 1050 The output of the motorized potentiometer acts as main setpoint for the speed controller.

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DO: All objects					fp_1025_51_eng.vsd	Function diagram	- 1025 -
Explanations for the function diagrams - Handling BICO technology					10.05.07 V02.05.00	SINAMICS	