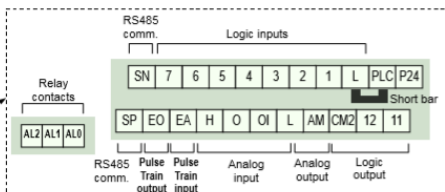


## Control Logic Signal Specifications

The control logic connectors are located just behind the front housing cover. The relay contacts are just to the left of the logic connectors. Connector labeling is shown below.



Terminal Name	Description	Ratings
P24	+24V for logic inputs	24VDC, 100mA. (do not short to terminal L)
PLC	Intelligent input common	Factory set: Source type for -FE and -FU models (connecting [P24] to [1]~[7] turns each input ON). To change to sink type, remove the short bar between [PLC] and [L], and connect it between [P24] and [L]. In this case, connecting [L] to [1]~[7] makes each input ON.
1 2 3/GS1 4/GS2 5/PTC 6 7/EB	Discrete logic inputs (Terminal [3],[4],[5] and [7] have dual function. See following description and related pages for the details.)	27VDC max. (use PLC or an external supply referenced to terminal L)
GS1(3)	Safe stop input GS1	Functionality is based on ISO13849-1
GS2(4)	Safe stop input GS2	See appendix for the details.
PTC(5)	Motor thermistor input	Connect motor thermistor between PTC and L terminal to detect the motor temperature. Set <b>19</b> in <b>C005</b> .
EB(7)	Pulse train input B	2kHz max. Common is [PLC]
EA	Pulse train input A	32kHz max. Common is [L]
L (in upper row) *1	GND for logic inputs	Sum of input [1]~[7] currents (return)
11/EDM	Discrete logic outputs [11] (Terminal [11] has dual function. See following description and related pages for the details.)	50mA max. ON state current, 27 VDC max. OFF state voltage Common is CM2 In case the EDM is selected, the functionality is based on ISO13849-1
12	Discrete logic outputs [12]	50mA max. ON state current, 27 VDC max. OFF state voltage Common is CM2
CM2	GND for logic output	100 mA: [11], [12] current return
AM	Analog voltage output	0~10VDC 2mA maximum
EO	Pulse train output	10VDC 2mA maximum