

## 14. Hand Control

This application macro is intended to be used at the commissioning with **Spin the Motor assistant** where all the analog and digital inputs are disabled as default.

Drive is started with the HAND button and giving the speed reference with the arrow buttons.

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**Note!** Starting operation in AUTO mode requires configuring the I/O with parameters or the assistant or selecting another macro (recommended).

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## Hand Control

1	SCR	Signal cable shield (screen)
2	AI1	Not used
3	AGND	Analog input circuit common
4	10 V	Reference voltage 10 VDC
5	AI2	Not used
6	AGND	Analog input circuit common
7	AO1	<b>Output frequency:</b> 0(4)...20 mA
8	AO2	<b>Output current:</b> 0(4)...20 mA
9	AGND	Analog output circuit common
10	24 V	Auxiliary voltage output + 24 VDC
11	GND	Common for DI return signals
12	DCOM	Digital input common for all
13	DI1	Not used
14	DI2	Not used
15	DI3	Not used
16	DI4	Not used
17	DI5	Not used
18	DI6	Not used
19	RO1C	Relay output 1 (Par 1401) Default operation <b>Ready</b> => 19 connected to 21
20	RO1A	
21	RO1B	
22	RO2C	Relay output 2 (Par 1402) Default operation <b>Running</b> => 22 connected to 24
23	RO2A	
24	RO2B	
25	RO3C	Relay output 3 (Par 1403) Default operation <b>Fault(-1)</b> => 25 connected to 27
26	RO3A	
27	RO3B	

**Note!** Drive starts only if possible protection functions (Run enable or Start enable 1 and 2) are activated from I/O or disabled with parameters.