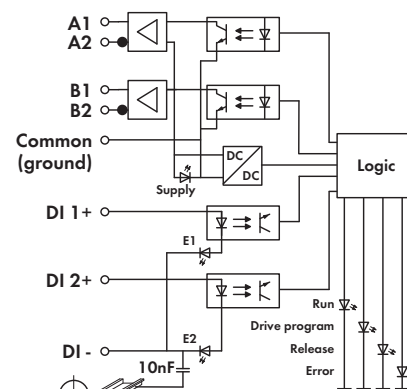
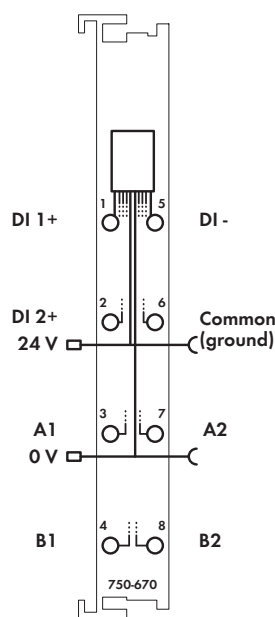
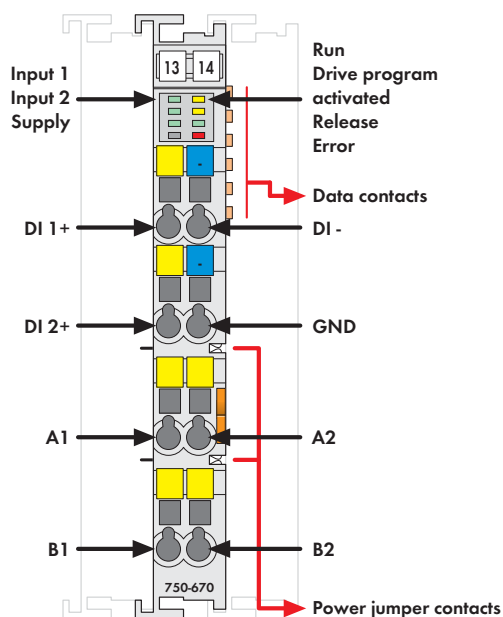


Stepper Controller RS-422 / 24 V / 20 mA



Delivery without Mini WSB marker

The 750-670 is an intelligent stepper controller designed to control various power drivers with pulse/direction interface or incremental encoder input. Both RS-422 and 24V or 20mA interfaces are available.

Due to the high output frequency, stepper output stages with smooth microstepping resolution can be used.

In addition, the module can be used as high precision frequency or pulse width modulator.

Two configurable inputs for start/stop, end-stop, reference, jog/tip, etc., can be directly processed by the internal software without any delay.

Flexible functions such as positioning with various acceleration ramps, command tables, camshaft, auto reference and other event-driven characteristics provide for a wide range of applications.

The programmer's interface is the same for all WAGO stepper controller modules.

Additional operating modes

- Pulse width modulation
- Frequency generator
- Single-Shot mode

Description	Item no.	Pack. unit
Stepper controller RS-422 / 24 V / 20 mA	750-670	1
Accessories		
Miniature WSB quick marking system,		
 plain	248-501	5
with marking	see pages 256 ... 257	
Approvals		
Series 750		
Conformity marking	CE	
UL 508		
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	
ANSI/ISA 12.12.01	applied for	

Technical Data	
Outputs	
No. of outputs	1 channel
	(2 differential outputs A1, A2, B1, B2)
Signal voltage	5 V DC internal, 5 V ... 24 V DC external
Type of load	RS 422, TTL, optocoupler
Output current (max.)	30 mA short-circuit protected
Output frequency	200 µHz ... 500 kHz
Pulse duty factor	50 % (in stepper motor mode)
Inputs	
No. of inputs	2 (DI 1, DI 2)
Signal voltage (0)	DC -3 V ... +5 V
Signal voltage (1)	DC 15 V ... 30 V
Input filter	100 µs, software filter can be installed
Input current (typ.)	2.8 mA
Module	
Operation modes	Individual positioning, reference run, jog, tip, instruction tables, PWM
Functions	Positioning (absolute/relative), flying setpoint change, rotary axis, etc.
Resolution	
Distance	23 bits + sign bit
Speed	15 bits + 16 bit prescaler
Acceleration	15 bits + 16 bit prescaler
Voltage via power jumper contacts	DC 24 V (-25 % ... +30 %)
Isolation	500 V system/supply
Internal bit width	12 byte inputs/outputs
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Weight	48.2 g
EMC CE-Immunity to interference	acc. to EN 61000-6-2 (2001)
EMC CE-Emission of interference	acc. to EN 61000-6-3 (2001)