

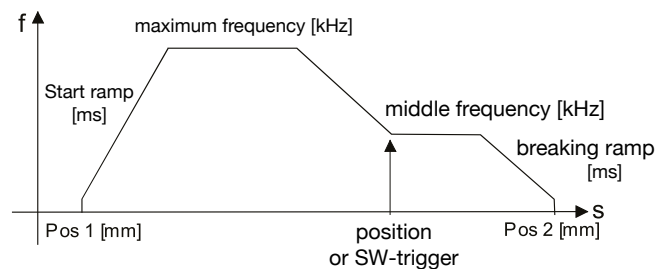
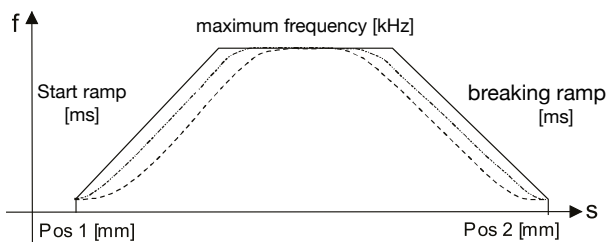


ACR222/2 Axis Controller Module

The axis controller module ACR222/2 is an encoder interface module to operate one/two (micro) stepping motor output stages with stepper frequencies of up to 150 kHz.

- 2 interfaces for stepping motor output stages to 150 kHz
- 2 interfaces for incremental encoders up to 1 MHz
- Encoder power supply directly from the module via the connectors
- Inputs for home, abort and 2 limit switches per channel
- Monitoring of the external supply voltage
- Linear, sine2 or parabolic acceleration
- Two-step linear speed profiles

Item	Item-No.
ACR222/2	00009928-10



ACR222/2	
Encoder interface	
Counter resolution	24 bit
Counter modes	1- / 2- / 4-edge evaluation
Encoder frequency	Max. 1 MHz
Inputs	HEDL (HP / AVAGO interface) / RS422
Galvanic isolation from system	500 V
Encoder power supply	+5 V or +15 V selectable with jumper
Motor controller interface	
Stepper frequency	Max. 150 kHz
Number of steps (range)	1 to 16 777 215
Acceleration type	Linear, sin ² - or parabolic
Acceleration time / braking time	8 ms to 131 s
Output voltage	Low: 0 to 2 V, high: 3 to 34 V, $I_{\max} = 10 \text{ mA}$
Input voltage	Low: 0 to 3 V, high: 4 to 30 V
Voltage range	18 to 34 VDC
Current consumption internal	Normally 400 mA at 24 VDC + Σ current consumption of the encoders and sensors
Galvanic isolation from system	500 V
Reverse polarity protection	Yes
Approvals / certificates	
General	CE, cULus, CCC
Ambient conditions	
Operating temperature	0 to +60 °C
Rel. humidity operation	5 to 95 % without condensation
Storage temperature	-40 to +85 °C
Rel. humidity storage	5 to 95 % without condensation
Pollution degree	2 (without condensation; according to IEC 60664-1)

Order Codes		
Item	Item No.	Description
ACR222 / 2	00009928-10	Stepper motor module; 2x Out 150kHz; 2x In INC; 1MHz; RS422; 8x DI 24V; acceleration modes linear/sine ² /parabolic; without power amplifier; encoder supply 5/15V
Accessories		
KZ-ACR222 B	00012056-30	Terminal set Phoenix cage clamp (1x KZ 51/02; 1x KZ 35/10) with labeling strip