

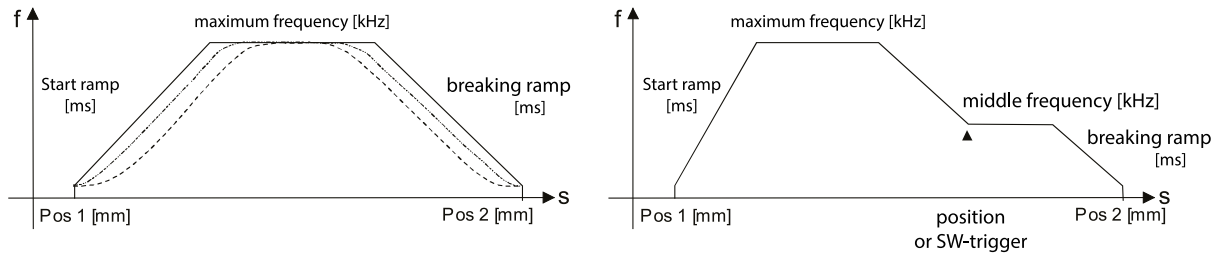
ACR222/2 Axis Controller Module

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.

Features

- 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 supplying voltage
- Linear, \sin^2 or parabolic acceleration
- Two-step linear speed profiles

Part type designation	Part number
ACR222/2	00009928-10



ACR222/2

Encoder interface	
Counter resolution	24 bit
Counter modes	1- / 2- / 4-fold edge evaluation
Encoder frequency	Max. 1 MHz
Inputs	HEDL (HP / AVAGO interface) / RS422
Galvanic isolation for the system	500 V
Encoder supply	+5 V or +15 V selectable with jumper
Output stage 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 V to 2 V, high: 3 V to 34 V, I _{max} = 10 mA
Input voltage	Low: 0 V to 3 V, high: 4 V to 30 V
Voltage range	18 V DC to 34 V DC
Current consumption	Typ. 400 mA at 24 V DC + Σ current consumption of the encoders and sensors
Galvanic isolation for the system	500 V
Reverse polarity protection	Yes
Approvals/Certificates	
General	CE, UKCA, cULus
Environmental conditions	
Operating temperature	0 °C to +60 °C
Relative humidity, operation	5 % to 95 % noncondensing
Storage temperature	-40 °C to +85 °C
Relative humidity, operation	5 % to 95 % noncondensing
Pollution degree (IEC 60664-1)	2 (noncondensing)

Order data

Part type designation	Part number	Description
ACR222/2	00009928-10	Stepper motor module; 2x Out 150 kHz; 2x In INC; 1 MHz; RS422; 8x DI 24 V; acceleration modes linear/sin ² / parable; without power amplifier; encoder supply 5/15 V

Accessories

Part type designation	Part number	Description
KZ-ACR222 B	00012056-30	Terminal set Phoenix cage clamp (1x KZ 51/02; 1x KZ 35/10) with labeling strip