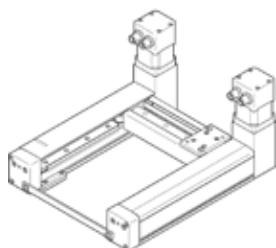


Planar surface gantry EXCM-30-

Part number: 2226101

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	values
Size	30
Controller operating mode	PWM-MOSFET power output stage Cascade controller with P position controller PI speed controller Proportional and integral controller for electricity
Operating mode	Micro step, 2000 step/U
Adjustable current reduction	Using software
Assembly position	Any
Position sensor	Encoder
Mains filter	Integrated
Protective function	I ² t monitoring Temperature monitoring Current monitoring Voltage failure detection Drag error monitoring Software end-position detection
Design structure	Planar surface gantry
Type of interpolation	Linear interpolation
Motor type	Stepper motor
Position mode	Set selection mode Position directly transferred
Display	7-segment
Nominal current adjustment	Using software
Max. acceleration	10 m/s ²
Max. speed	0.5 m/s
Repetition accuracy	+/- 0,05 mm
Braking resistance	15 Ohm
Digital logic output characteristics	Not electrically isolated
Duty cycle	100%
Max. current, digital logic outputs	100 mA
Max. intermediate circuit voltage, DC	28 V
Nominal DC voltage, logic power supply	24 V
Nominal voltage, load supply DC	24 V
Nominal current, load supply	6 A
Nominal current, logic supply	0.3 A
Effective nominal current per phase	3 A
Parameters configuring interface	Ethernet
Position control	Yes
Ethernet, supported protocols	TCP/IP
Peak current, load supply	8 A
Permissible range, logic voltage	± 15 %
CE mark (see declaration of conformity)	to EU directive for EMC
Storage temperature	-10 ... 60 °C

Feature	values
Relative air humidity	0 - 90 % non-condensing
Sound pressure level	52 dB(A)
Protection class	IP20
Ambient temperature	10 ... 45 °C
Motor holding torque	0.04 Nm
Max. drive torque	0.2 Nm
Max. torque Mx	34 Nm
Max. torque My	67 Nm
Max. torque Mz	34 Nm
Nominal torque	0.04 Nm
Reference value for working load, horizontal	3 kg
Reference value for working load, vertical	2 kg
Number of 24 V DC digital logic outputs	5
Number of digital logic inputs	9
Communications profile	FHPP
Process interface	I/O coupling for 64 position sets
Specification, logic input	Based on IEC 61131-2
Logic input working range	24 V
Logic input characteristics	galvanically connected to logic potential
Input circuit logic	NPN (negative switching)
Switching logic, outputs	NPN (negative switching)
Communication interface, logic	CAN DS 301 E/A 64pos Ethernet - TCP/IP
Mounting type	Profile mounting
Materials note	Conforms to RoHS