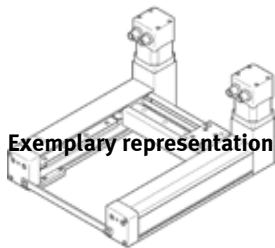


# planar surface gantry EXCM-30-

Part number: 2226101

FESTO

With recirculating ball bearing guide



## Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
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
Assembly position	Any
Position sensor	Encoder
Mains filter	Integrated
Protective function	I <sup>2</sup> 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
Safety function	Safe torque off (STO)
Display	7-segment LED
Max. acceleration	10 ... 20 m/s <sup>2</sup>
Max. speed	0.5 ... 1 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
Nominal DC voltage, logic power supply	24 V
Nominal voltage, load supply DC	24 ... 48 V
Parameters configuring interface	Ethernet
Position control	Yes
Ethernet, supported protocols	TCP/IP
Permissible range, logic voltage	± 15 %
CE mark (see declaration of conformity)	to EU directive for EMC
UKCA marking (see declaration of conformity)	To UK instructions for EMC
PWIS conformity	VDMA24364 zone III
Storage temperature	-10 ... 60 °C
Relative air humidity	0 - 90 %

Feature	Value
	non-condensing
Sound pressure level	52 dB(A)
Protection class	IP20
Ambient temperature	10 ... 45 °C
Motor holding torque	0.5 Nm
Max. drive torque	0.2 Nm
Max. force Fz	1,345 N
Max. torque Mx	5.5 Nm
Max. torque My	10.9 Nm
Max. torque Mz	5.5 Nm
Max. process force in Z direction	100 N
Nominal torque	0.04 Nm
Guide value rated load, horizontal	3 kg
Guide value rated load, vertical	2 kg
Feed constant	38 mm/U
Number of 24 V DC digital logic outputs	5
Number of digital logic inputs	8
Communications profile	FHPP
Process interface	I/O coupling For 31 records
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) PNP (positive-switching)
Switching logic, outputs	NPN (negative switching) PNP (positive-switching)
Communication interface, logic	CAN DS 301 E/A 31pos Ethernet - TCP/IP
Mounting type	Profile mounting
Materials note	Conforms to RoHS