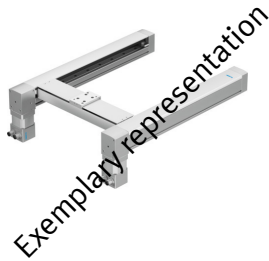


Planar surface gantry EXCM-30-

Part number: 2226101

FESTO



General operating condition

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 PI current regulator
Operating mode	Micro step, 2000 steps/revolution
Mounting position	optional
Position sensor	Encoder
Mains filter	Integrated
Protective function	I ² t monitoring Temperature monitoring Current monitoring Voltage failure detection Following error monitoring Software end-position detection
Design	Planar surface gantry
Type of interpolation	Linear interpolation
Type of motor	Stepper motor
Position mode	Record selection mode Position directly transferred
Safety function	Safe torque off (STO)
Display	7-segment LED
Max. acceleration	10 m/s ² ... 20 m/s ²
Max. speed	0.5 m/s ... 1 m/s
Repetition accuracy	±0.05 mm
Brake resistance	15 Ohm
Features of digital logic outputs	Not galvanically isolated
Duty cycle	100%
Max. current digital logic outputs	100 mA
Nominal voltage for logic power supply DC	24 V
Nominal voltage load voltage DC	24 V ... 48 V
Parameterisation interface	Ethernet
Position control	yes
Ethernet, supported protocols	TCP/IP
Permissible range for logic voltage	± 15 %
CE mark (see declaration of conformity)	To EU EMC Directive

Feature	Value
UKCA marking (see declaration of conformity)	To UK instructions for EMC
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-10 °C ... 60 °C
Relative air humidity	0 - 90% Non-condensing
Sound pressure level	52 dB(A)
Degree of protection	IP20
Ambient temperature	10 °C ... 45 °C
Motor holding torque	0.5 Nm
Max. drive torque	0.2 Nm
Max. force Fz	1345 N
Max. moment Mx	5.5 Nm
Max. moment My	10.9 Nm
Max. moment Mz	5.5 Nm
Max. process force in Z direction	100 N
Nominal torque	0.04 Nm
Guide value nominal load, horizontal	3 kg
Guide value nominal load, vertical	2 kg
Feed constant	38 mm/U
Number of digital logic outputs 24 V DC	5
Number of digital logic inputs	8
Communication profile	FHPP
Process interfacing	I/O coupling For 31 sets
Specification logic input	Based on IEC 61131-2
Working range of logic input	24 V
Features of logic input	Galvanically connected to logic potential
Switching logic for inputs	NPN (negative switching) PNP (positive switching)
Switching logic for outputs	NPN (negative switching) PNP (positive switching)
Communication interface, logic	CAN DS 301 I/O 31pos Ethernet - TCP/IP
Type of mounting	Profile mounting
Note on materials	RoHS-compliant