

Three-dimensional gantry EXCL-15-

Part number: 8159775

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Size	15
Stroke of the X-axis	200 mm ... 1000 mm
Stroke of the Y-axis	200 mm ... 700 mm
Mounting position	Horizontal
Design	3D gantry system
Type of motor	Stepper motor
Max. acceleration	1 m/s ²
Max. speed	0.5 m/s
Repetition accuracy	±0.1 mm
Max. search speed X-axis	0.03 m/s
Max. creep speed X-axis	0.003 m/s
Max. search speed velocity Y-axis	0.03 m/s
Max. creep speed Y-axis	0.003 m/s
Max. search speed Z-axis	0.015 m/s
Max. creep speed Z-axis	0.003 m/s
Nominal voltage X-axis	1.68 V
Nominal voltage Y-axis	3.2 V
Nominal voltage Z-axis	3.2 V
Nominal current X-axis	4.2 A
Nominal current Y-axis	2 A
Nominal current Z-axis	2 A
Nominal current per phase, effective	2 A ... 4.2 A
KC mark	KC-EMV
CE mark (see declaration of conformity)	To EU EMC Directive
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%
Degree of protection	IP10
Ambient temperature	10 °C ... 40 °C
Motor holding torque	0.5 Nm ... 1.4 Nm
Max. process force in Z direction	15 N
Feed constant of the X-axis	64 mm/U
Feed constant of the Y-axis	37.7 mm/U
Feed constant of the Z-axis	5 mm/U

Feature	Value
Type of mounting	With female thread M3
Note on materials	RoHS-compliant