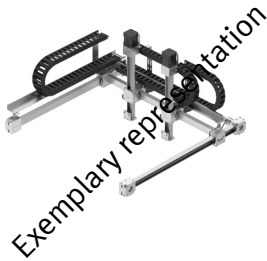


Three-dimensional gantry EXCL-15-

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
Structural design	3D gantry system
Motor type	Stepper motor
Max. acceleration	1 m/s ²
Max. speed	0.5 m/s
Repetition accuracy	±0.1 mm
Max. search velocity X-axis	0.03 m/s
Max. creep velocity X-axis	0.003 m/s
Max. search velocity Y-axis	0.03 m/s
Max. creep velocity Y-axis	0.003 m/s
Max. search velocity Z-axis	0.015 m/s
Max. creep velocity 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 characters	KC EMC
CE marking (see declaration of conformity)	As per 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 internal thread M3
Note on materials	RoHS-compliant