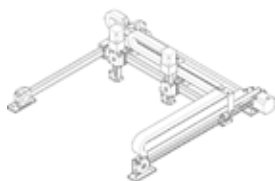


# 3-dimensional gantry

## EXCL-15-400-700-Z2-200-200-GF-ST-R-1-EK-M6-AN

Part number: 8184926  
New

FESTO



### Data sheet

Feature	Value
Size	15
Stroke in X direction	400 mm
Stroke in Y direction	700 mm
Stroke of the Z-axis 1	200 mm
Stroke of the Z-axis 2	200 mm
Controller operating mode	P position controller Direct mode Synchronised operating modes Homing Open-loop operation
Operating mode	Micro step, >4000 step/U
Adjustable current reduction	Using software
Assembly position	Horizontal
Protective function	Voltage failure detection Software end-position detection
Design structure	3D gantry system
Type of interpolation	Linear interpolation
Motor type	Stepper motor
Position mode	Position directly transferred
Display	LED green/yellow/red
Nominal current adjustment	Using software
Max. acceleration	1 m/s <sup>2</sup>
Max. speed	0.5 m/s
Repetition accuracy	±0,1 mm
Duty cycle	100 %
Nominal DC voltage, logic power supply	5 V
Nominal voltage, load supply DC	24 V
Parameters configuring interface	Ethernet
Position control	Yes
Ethernet, supported protocols	FTP TCP/IP
Permissible range, logic voltage	± 10 %
KC mark	KC-EMV
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 %
Sound pressure level	65.8 dB(A)
Protection class	IP10
Ambient temperature	10 ... 40 °C
Motor holding torque	0.5 ... 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

<b>Feature</b>	<b>Value</b>
Product weight	9,120 g
Process interface	Drives with positioning function
Communication interface, logic	Ethernet - TCP/IP
Mounting type	With female thread M3
Materials note	Conforms to RoHS