

Integrated Controller Slider Type – EQFS#H EQFS16D2HA-400-B6

Datasheet

General series information

- IO-Link compatible
- Body size: 16, 25, 32 and 40 mm
- Ball screw actuation type
- Stroke: 50 to 1200 mm
- Horizontal work load: up to 80 kg
- Vertical work load: up to 40 kg
- Speed: up to 1200 mm/s
- Horizontal acceleration: up to 10000 mm/s²
- Vertical acceleration: up to 5000 mm/s².

Standard specifications

Size	16
Motor Mounting Position	D2 (In-line, Right Side)
Motor Type	H (Battery-less Absolute, Step Motor 24 VDC)
Lead	A (Size 16: 10 mm, Size 25: 12 mm, Size 32: 16 mm, Size 40: 20 mm)
Stroke	400 mm
Motor Option	Without Option
Grease Application	With
Controller Position	B (Integrated Controller)
Interface (Parallel Input/Output/Communication Protocol)	6 (PNP)
Conform to the European RoHS Directive	Conform
Approvals	CE, UKCA
Positioning repeatability	±0.02 mm
Lost motion	0.1 mm or less

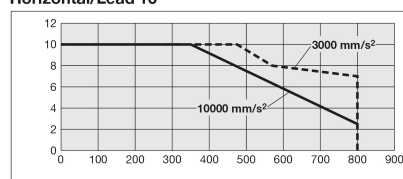
Impact/Vibration resistance	50/20 m/s ²
Actuation type	Ball screw (EQFS25H) Ball screw + Belt (EQFS25RH/EQFS25LH)
Motor type	Battery-less absolute (Step motor 24 VDC)
Encoder	Battery-less absolute
Horizontal work load	10 kg
Vertical work load	3 kg
Speed	10 - 800 mm/s
Max. Acceleration/deceleration	Horizontal: 10000 mm/s ² Vertical: 5000 mm/s ²
Operating humidity range	90 % RH or less (No condensation)
Operating temperature range	5 - 40 °C
Lock: Holding force	29 N
Guide type	Linear guide
Motor size	28
Lock unit type	Non-magnetising lock
Lock unit rated voltage	24 VDC ±10 %
Technical graph 1	7054EE_graph13_en.jpg
Graph1 title	Speed–Work Load Graph

Technical information graphs

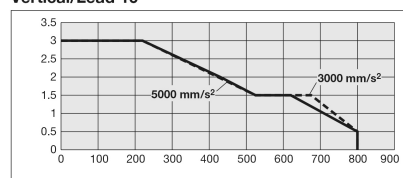
Speed–Work Load Graph

EQFS16□HA/Ball Screw Drive

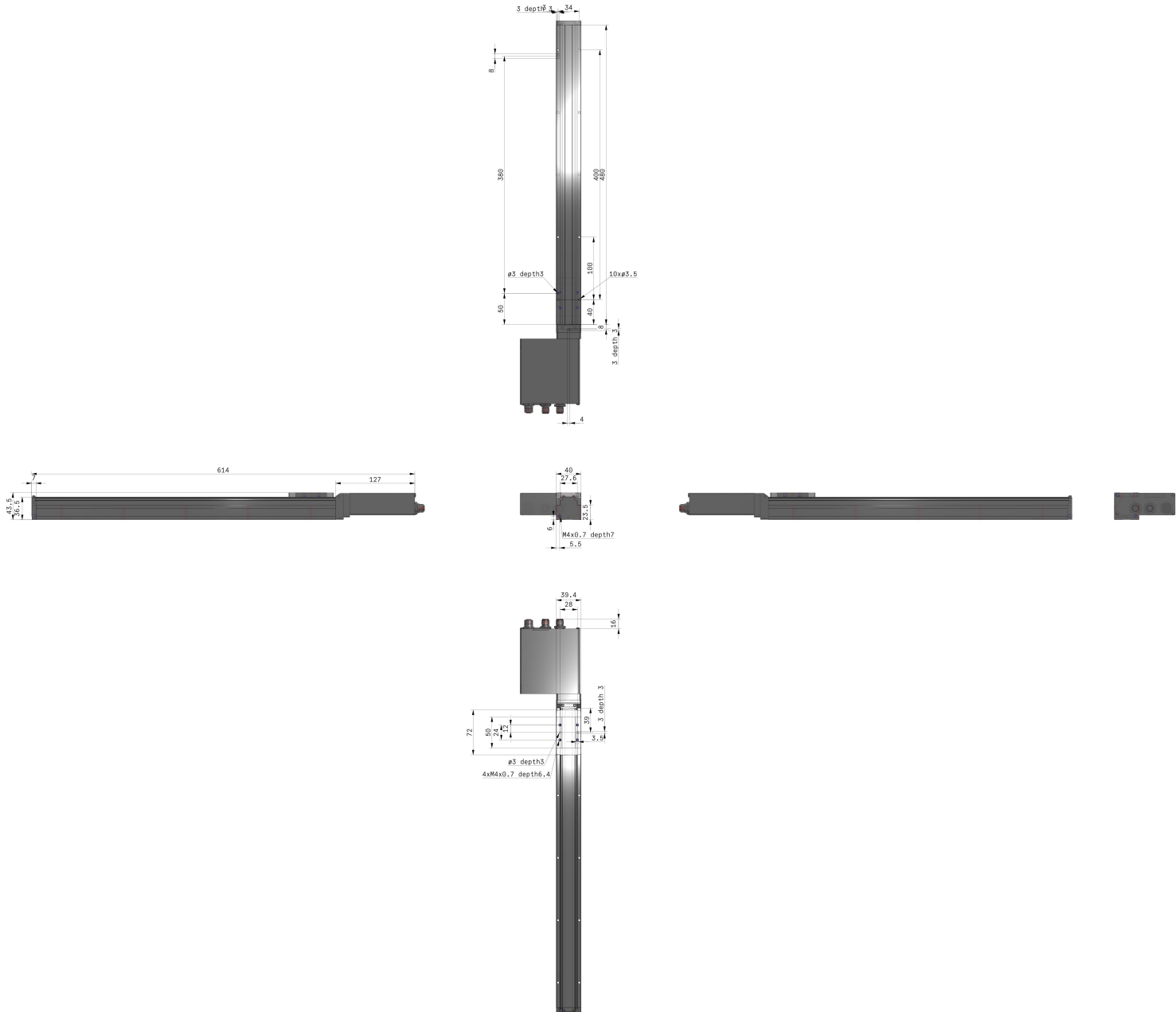
Horizontal/Lead 10



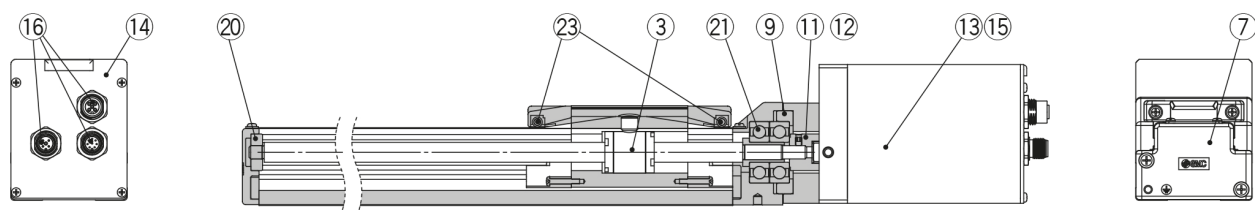
Vertical/Lead 10



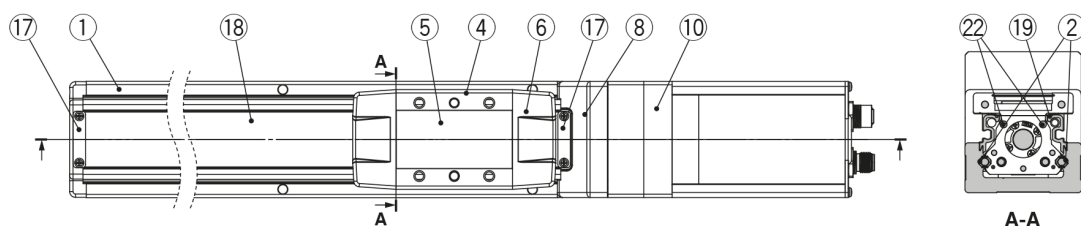
Dimensions



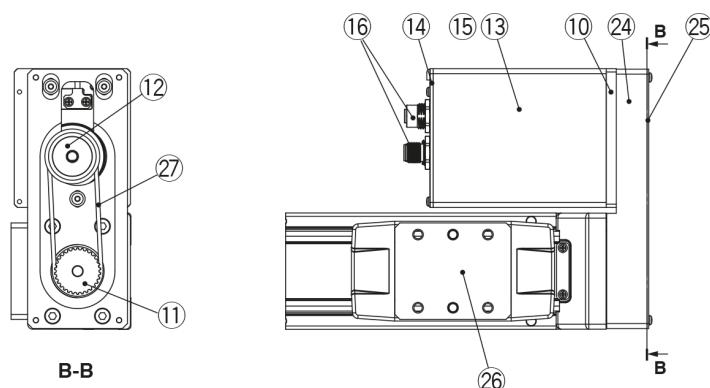
Constructions



In-line motor



Right/Left side parallel motor



Component Parts

No.	Description	Material	Note
1	Body	Aluminium alloy	Anodised
2	Rail guide	—	
3	Ball screw assembly	—	
4	Table	Aluminium alloy	Anodised
5	Blanking plate	Aluminium alloy	Anodised
6	Seal band holder	Synthetic resin	
7	Housing A	Aluminium die-casted	Coating
8	Housing B	Aluminium die-casted	Coating
9	Bearing stopper	Aluminium alloy	
10	Motor adapter	Aluminium alloy	Coating
11	Screw hub/pulley	Aluminium alloy	
12	Motor hub/pulley	Aluminium alloy	
13	Motor cover	Aluminium alloy	Anodised
14	End cover	Aluminium alloy	Anodised
15	Motor	—	
16	Connector	—	
17	Band stopper	Stainless steel	
18	Dust seal band	Stainless steel	
19	Seal magnet	—	
20	Bearing	—	201 mm stroke or more
21	Bearing	—	
22	Magnet	—	
23	Roller shaft	Stainless steel	Without grease application

Component Parts (Right/Left side parallel only)

No.	Description	Material	Note
24	Return plate	Aluminium alloy	Coating
25	Cover plate	Aluminium alloy	Anodised
26	Table spacer	Aluminium alloy	Anodised
27	Belt	—	

Additional information

Catalogue	EQFSH-EQYH-EQYGH-D_EU.pdf
Declaration of conformity	newDoC_EQF_TF125-482EN.pdf newDoC_EQY_TF122-175EN-B.pdf
Installation manuals	IM_EQFS_TF222-151EN-B.pdf
Operation manuals	OM_EQFS_DOC1023125EN-2.pdf OM_JXC_OMA1006EN-D.pdf OM_EQ_DOC1138459EN-1.pdf