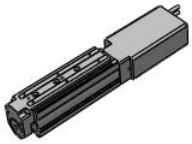

Battery-less Absolute Encoder Type – LESYH

LESYH8D2EA-50C-R5CEF8

Datasheet

General series information

- Body size: 8, 16 and 25 mm
- Stroke: 50 to 150 mm
- Speed: up to 400 mm/s
- Acceleration: up to 5000 mm/s^2
- Step motor type
- Encoder: battery-less.

Standard specifications

Size	8
Motor Mounting Position	D2 (In-line, Right Side)
Lead	A (Size 8: 10 mm, Size 16: 12 mm, Size 25: 16 mm)
Stroke	50 mm
Motor Option	C (w/Motor Cover)
Actuator Cable Length	R5 (5 m)
Controller	CEF (EtherCAT® with STO Sub-Function)
Mounting	8 (DIN Rail)
Communication Plug Connector, I/O Cable	None
General power supply	24 VDC ±10%
Lead	10 mm
Pushing speed	20 - 30 mm/s
Positioning repeatability	±0.01 mm
Impact/Vibration resistance	50/20 m/s2
Actuation type	Ball screw
Encoder	Battery-less absolute (4096 pulse/rotation)
Horizontal work load	2 kg

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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Vertical work load	1.5 kg
Speed	400 mm/s
Max. Acceleration/deceleration	5000 mm/s2
Operating humidity range	90 % RH or less (No condensation)
Lost motion	0.1 mm or less
Power Consumption	23 W
Operating temperature range	5 - 40 ºC
Pushing force	18 - 36 N
Lock: Holding force	20 N
Guide type	Linear guide (Circulating type)
Motor size	28
Standby power consumption when operating	16 W
Max. instantaneous power consumption	43 W
Lock unit type	Non-magnetizing lock
Lock unit power consumption	2.9 W
Lock unit rated voltage	24 VDC ±10%

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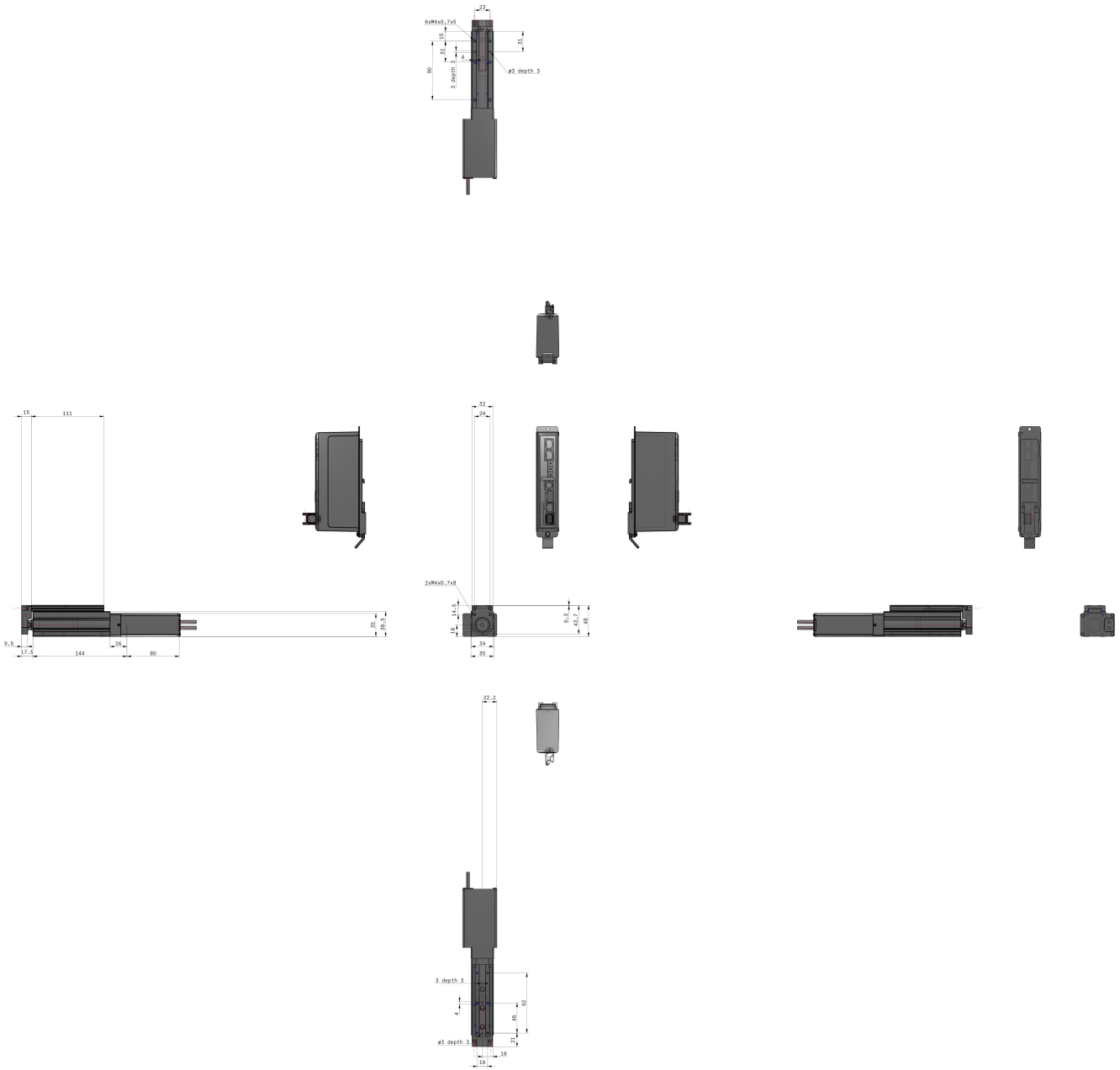
Dimensions



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Additional information

Catalogue	LESYH-A_EU.pdf
Declaration of conformity	newDoC_LESxTF1Y281EN-A.pdf newDoc_LES_stepDC-servoDC_EN-A.pdf
Installation manuals	IM_LESYHxE-G_StepDC_EN-A.pdf
Operation manuals	OM_LESH_stepDC_EN.pdf OM_LESHY_stepDC-servoDC_EN

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