

# Smart rotary module SREH

SREH-50-IOL



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# Smart rotary module SREH

## SREH-50-IOL

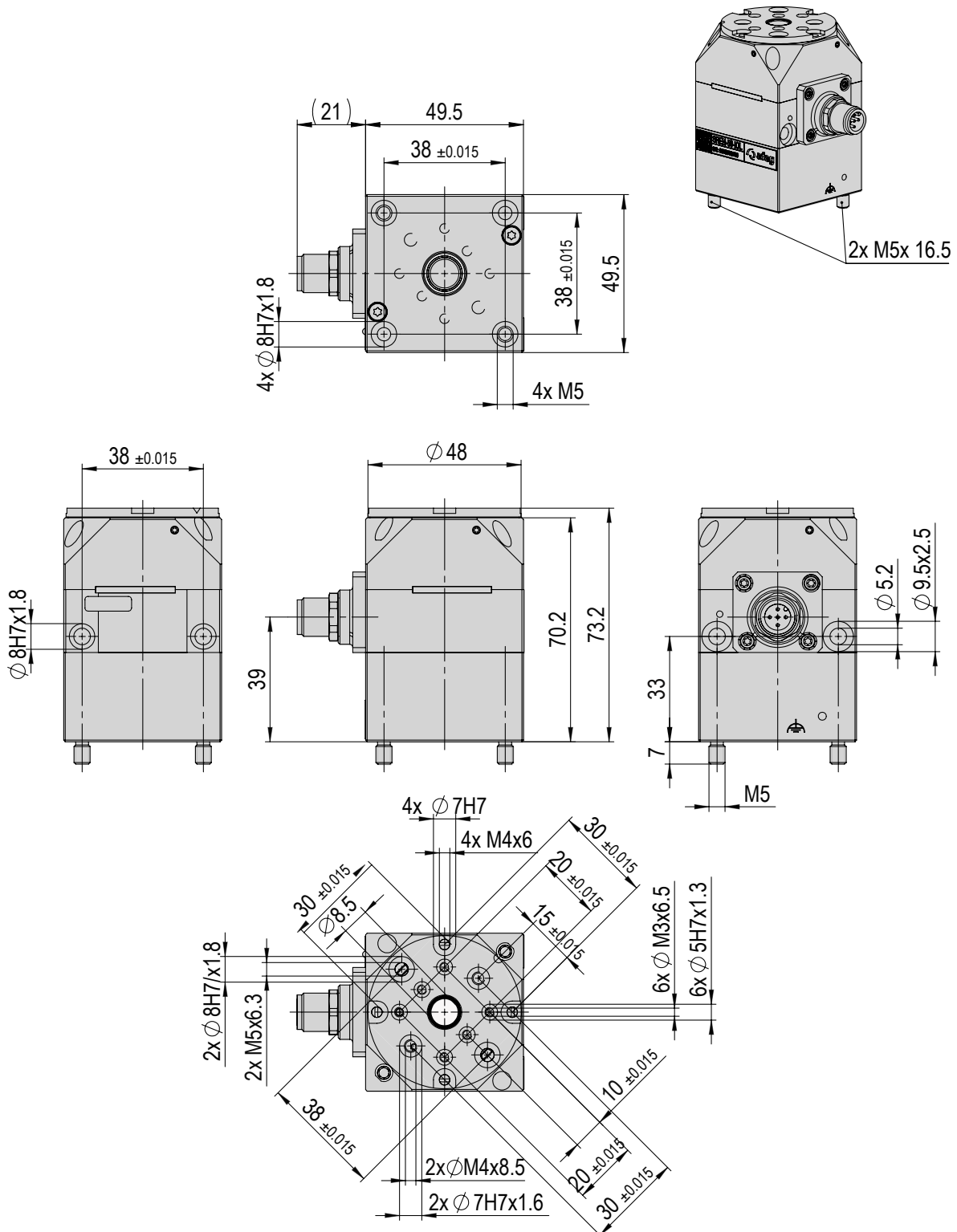
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- Extremely compact due to integrated controller
- Dynamic, electric rotary axis with single-cable technology and IO-Link communication interface
- Freely programmable with absolute encoder and hollow shaft

# Dimensions and dimension drawings

SREH-50-IOL





SREH-50-IOL	
Attachment grid (rear)	38 x 38 mm
Attachment grid (flange)	20 x 20, 30 x 30 and 38 mm
Attachment grid (lateral)	38 mm
Operating temperature	10 - 35 °C
Ambient temperature (min./max.)	0 - 50 °C
Storage temperature	5 - 50 °C
Humidity	< 90 %

Type	SREH-50-IOL
<b>Order number</b>	<b>50503985</b>
Net weight	0.6 kg
Maximum axial payload**	1350 N
Maximum radial payload**	790 N
Idling speed (continuous - maximum)	640 min <sup>-1</sup> / 716 min <sup>-1</sup>
Torque (continuous - maximum)	0.45 Nm / 0.90 Nm
Nominal speed***	480 min <sup>-1</sup>
Rated torque***	0.17 Nm
Max. mass moment of inertia	15 x 10 <sup>-4</sup> kgm <sup>2</sup>
Max. dynamic tilting moment	9 Nm
Repeatability*	± 0,015°
Radial concentricity	0.009 mm
Axial concentricity	0.023 mm
Rotation angle	∞
Hollow shaft	Ø 8.5 mm
Currentless multiturn	fourfold
Rated current	3 A
Max. current input	5 A
Supply voltage	24 VDC
Status display	LED-Ring
Communication interface	IO Link, Portkl. B, COM 3
Noise level	< 65 dB(A)
Protection class IP	IP 50
Clean room class ISO 14644-1	Class ISO 6
Mounting position	

\* Achieved with centric load after appropriate settling time.

\*\* The above maximum values depend on the application and must not be combined. In case of doubt, contact your Afag partner.

\*\*\* Nominal values apply at nominal voltage, at 22°C ambient temperature and without reduction of thermal resistance

The technical data refer to Afag standard test conditions.

Product conformity: RoHS-Directive 2011/65/EU and REACH Regulation (EG) 1907/2006.

### Included in the delivery

(Catalogue HT accessories)

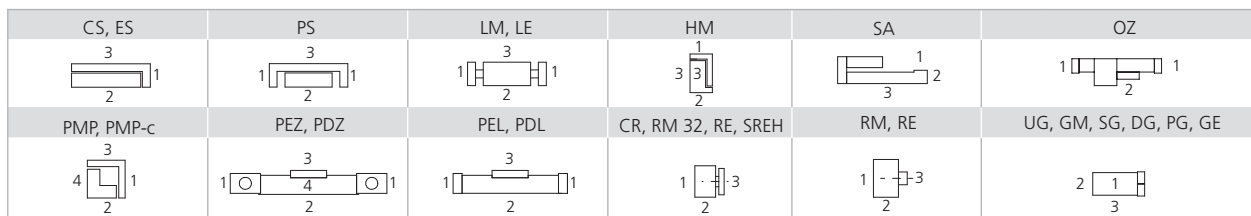
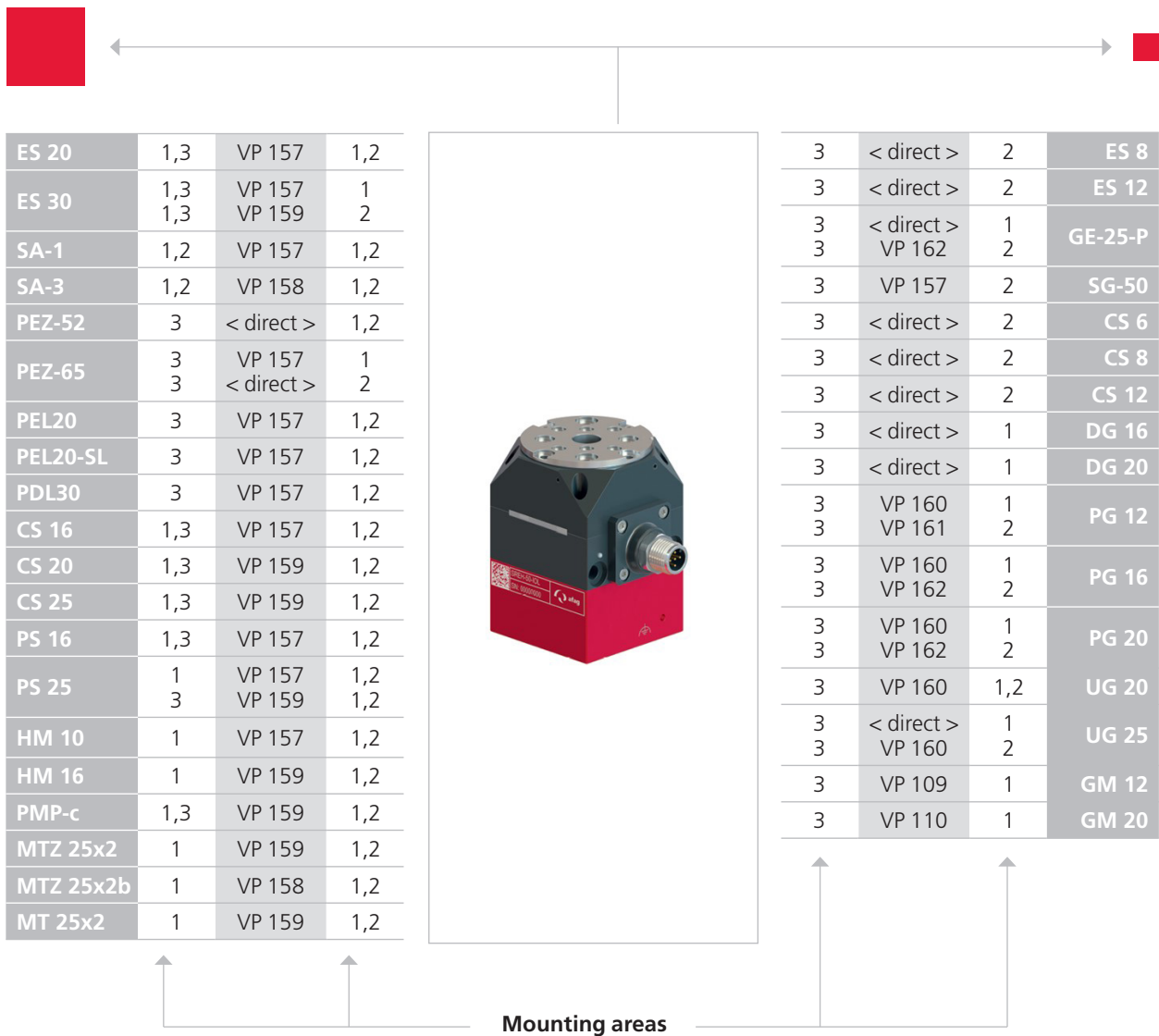
- 2x Mounting screw M5x55
- 2x Centering sleeve Ø8x3.5
- 2x Countersunk screw M4x5
- 2x Rotation limitation SREH-50
- 2 x Set screw M5x16

### Accessories

(Catalogue HT accessories)

- Sensor actuator cable

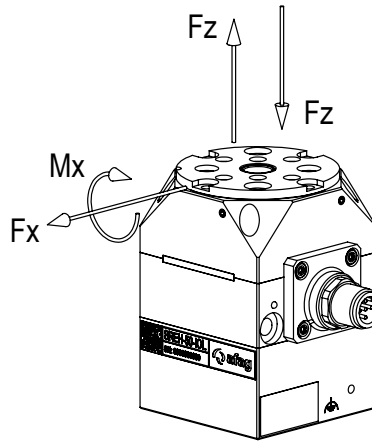
Warranty: 24 months following commissioning, but a maximum of 27 months following delivery



Note that there might be different mounting positions from one module to another one.

The required connection elements and the range of support columns are depicted in the catalogue HT accessories.

Type	SREH-50-IOL
Max. axial traction force (Fz dynamic)	1350 N
Max. axial press-in force (Fz dynamic)	1350 N
Max. radial force (Fx dynamic)	790 N
Max. tilting moment (Mx dynamic)	9 Nm



## Positioning time

