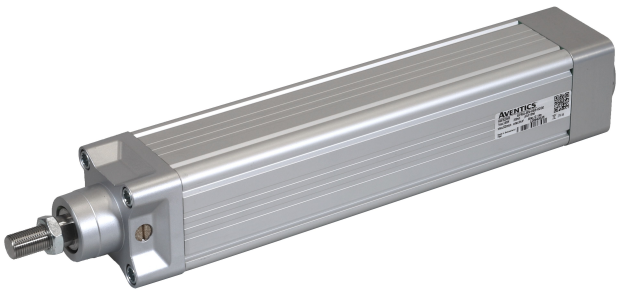
Serie SPRA Electric Rod-Style Actuators Ø 63

R481633842

- Multi-positioning with high level of precision and repeatability
- Available in size 32, 40, 63 and 100
- High product versatility with three different screw technologies to cover a wide range of application requirements
- Flexibility in mounting cylinders - Compliant with ISO 15552 standard and wide range of accessories available
- Easily size and customize your electrical actuator solution with inter-connected online tools and configurator



Serie SPRA Electric Rod-Style Actuators

The AVENTICS Series SPRA electric rod-style actuators are the ideal solution to perform fast and powerful linear movements. They are very flexible, precise and energy efficient, improving sustainability and Total Cost of Ownership (TCO). The modular concept of the Series SPRA enables easy connection to your preferred motor and control system, saving you time and costs on design and programming. The Series SPRA is ISO 15552 compliant and uses high-grade materials such as a IP54S sealing system, ensuring a high level of reliability even in harsh conditions.

Technical data

Industry	Industrial
Piston Ø	63 mm
Piston rod thread	M16x1,5
Note	SPRA-BS
Max. dynamic axial force	5.4 kN
Max. static axial force	5.4 kN
Dynamic load capacity	13.7 kN
Max. torque (for Fmax)	5.06 Nm
Max. linear speed	300 mm/s
Max. rotational speed	3600 1/min
Max. acceleration	5 m/s²
Duty cycle	100 %

Mechanical data

Screw type	Ball screw
Screw diameter	20 mm
Screw lead	5 mm
Lead accuracy	G7
Stroke	300 mm

Serie SPRA Electric Rod-Style Actuators Ø 63

R481633842

Internal overstroke (double)	1 mm
Backlash	0.07 mm
Efficiency [%]	85
Inertia at 0 mm stroke	0.76 *10-⁴ kgm²
Inertia per 100 mm stroke	0.12 *10-⁴ kgm²
Weight 0 mm stroke	2.9 kg
Weight +100 mm stroke	0.81 kg

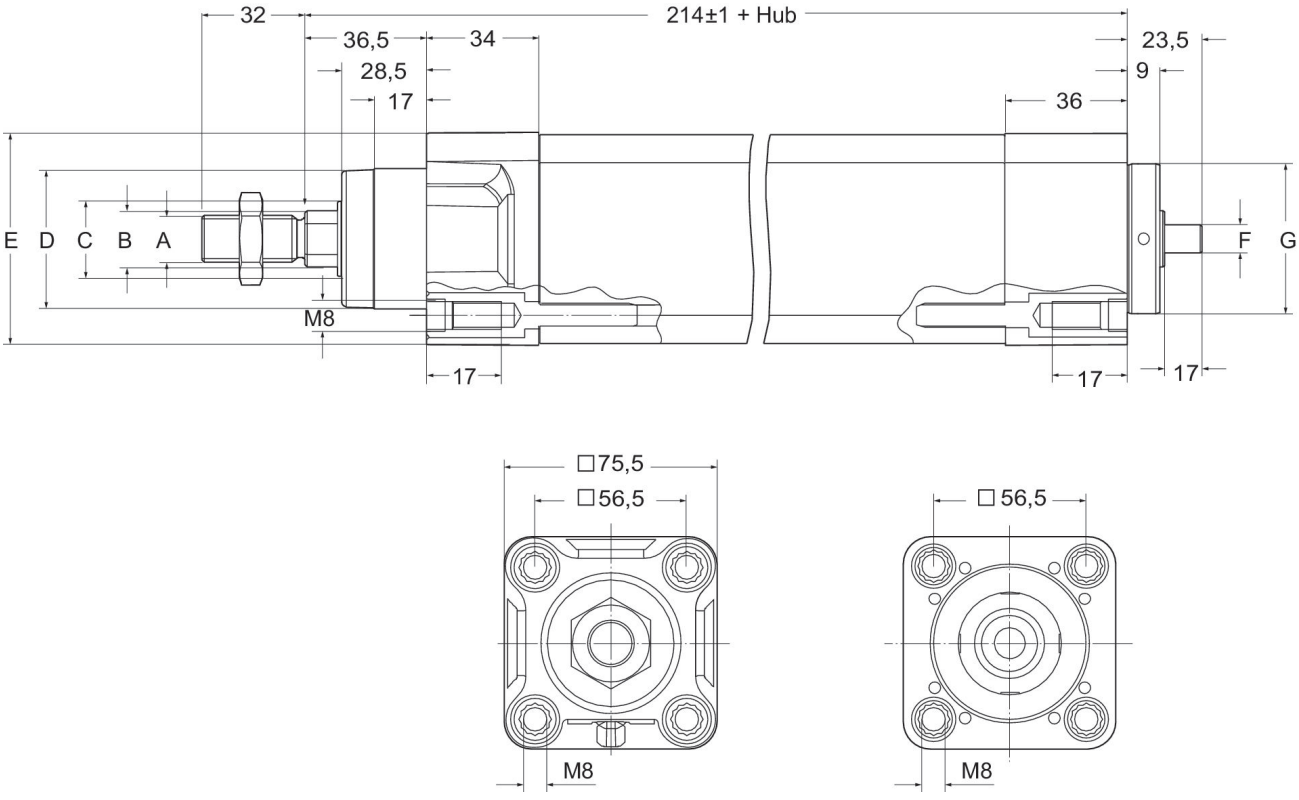
Environmental requirements

Standardization	ISO 15552
Protection class	IP54S
Max. humidity	95 %
Min. ambient temperature	0 °C
Max. ambient temperature	50 °C

Material

Part No.	R481633842

Dimensions in mm

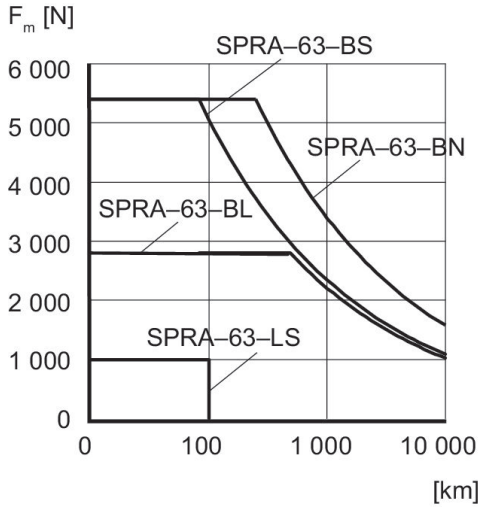


Serie SPRA Electric Rod-Style Actuators Ø 63

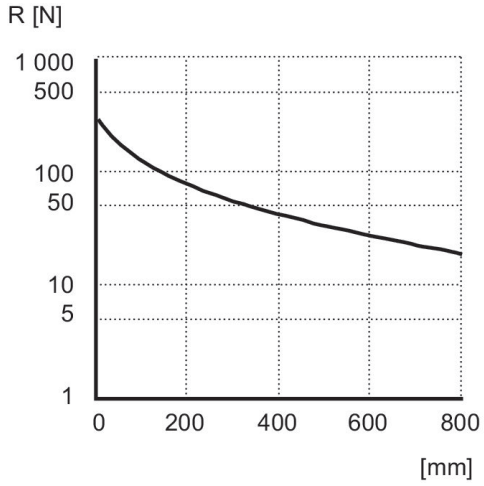
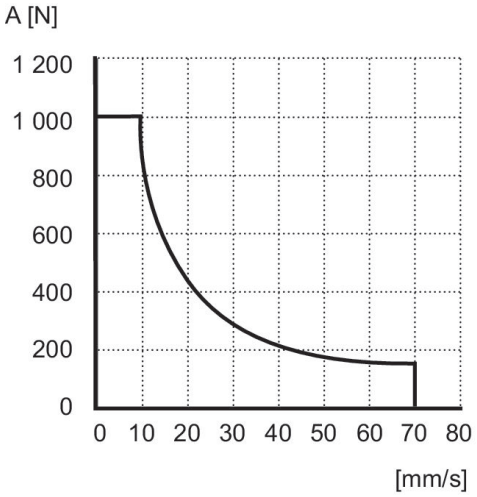
R481633842

	A	B mm	C	D	E	F	G -0,05 / -0,08
SPRA-63	M16 x 1,5	Ø20	Ø28	Ø45 d11	75	Ø12 h6	Ø60

Pressure characteristics curve



Diagram



Diagram