

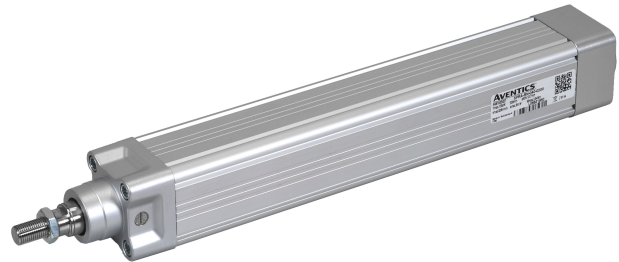
Serie SPRA Electric Rod-Style Actuators Ø 40

R481633828

- 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	40 mm
Piston rod thread	M12x1,25
Note	SPRA-BN
Max. dynamic axial force	1.55 kN
Max. static axial force	2.375 kN
Dynamic load capacity	6 kN
Max. torque (for Fmax)	3.64 Nm
Max. linear speed	826 mm/s
Max. rotational speed	3900 1/min
Max. acceleration	6 m/s ²
Duty cycle	100 %

Mechanical data

Screw type	Ball screw
Screw diameter	12.7 mm
Screw lead	12.7 mm
Lead accuracy	G7
Stroke	300 mm

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Internal overstroke (double)	1 mm
Backlash	0.07 mm
Efficiency [%]	86
Inertia at 0 mm stroke	$0.1279 \cdot 10^{-4} \text{ kgm}^2$
Inertia per 100 mm stroke	$0.0144 \cdot 10^{-4} \text{ kgm}^2$
Weight 0 mm stroke	1.29 kg
Weight +100 mm stroke	0.46 kg

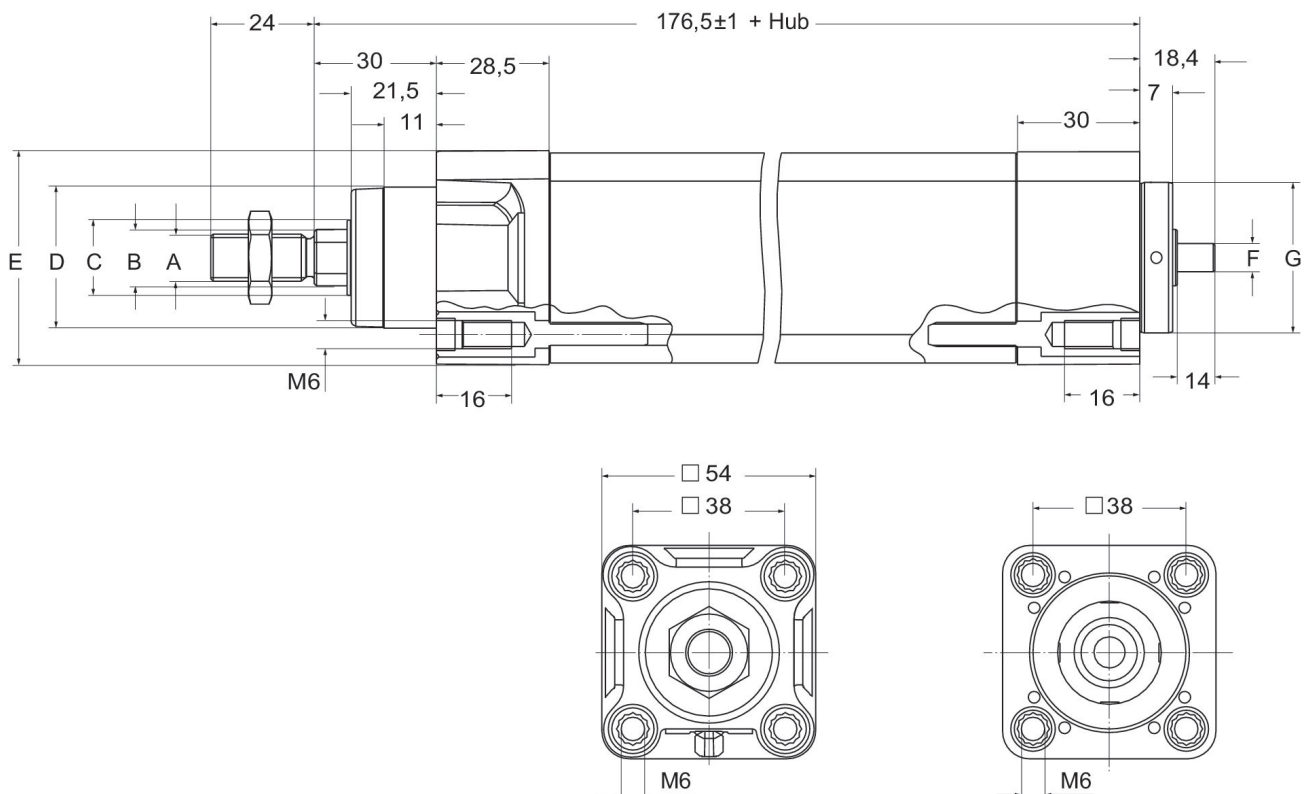
Environmental requirements

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

Material

Part No. R481633828

Dimensions in mm

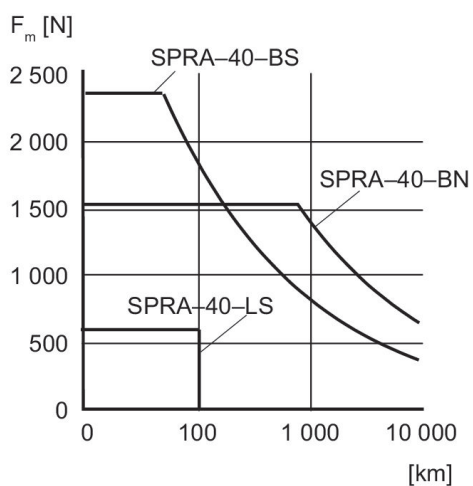


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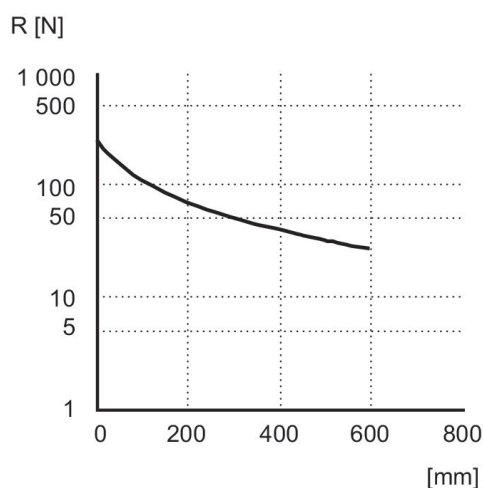
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	A	B mm	C	D	E	F	G -0,09 / -0,1
SPRA-40	M12 x 1,25	Ø16	Ø20	Ø35 d11	54.3	Ø8 h6	Ø40

Pressure characteristics curve



Diagram



Diagram

