

▶ Smart Actuator

8566R1000

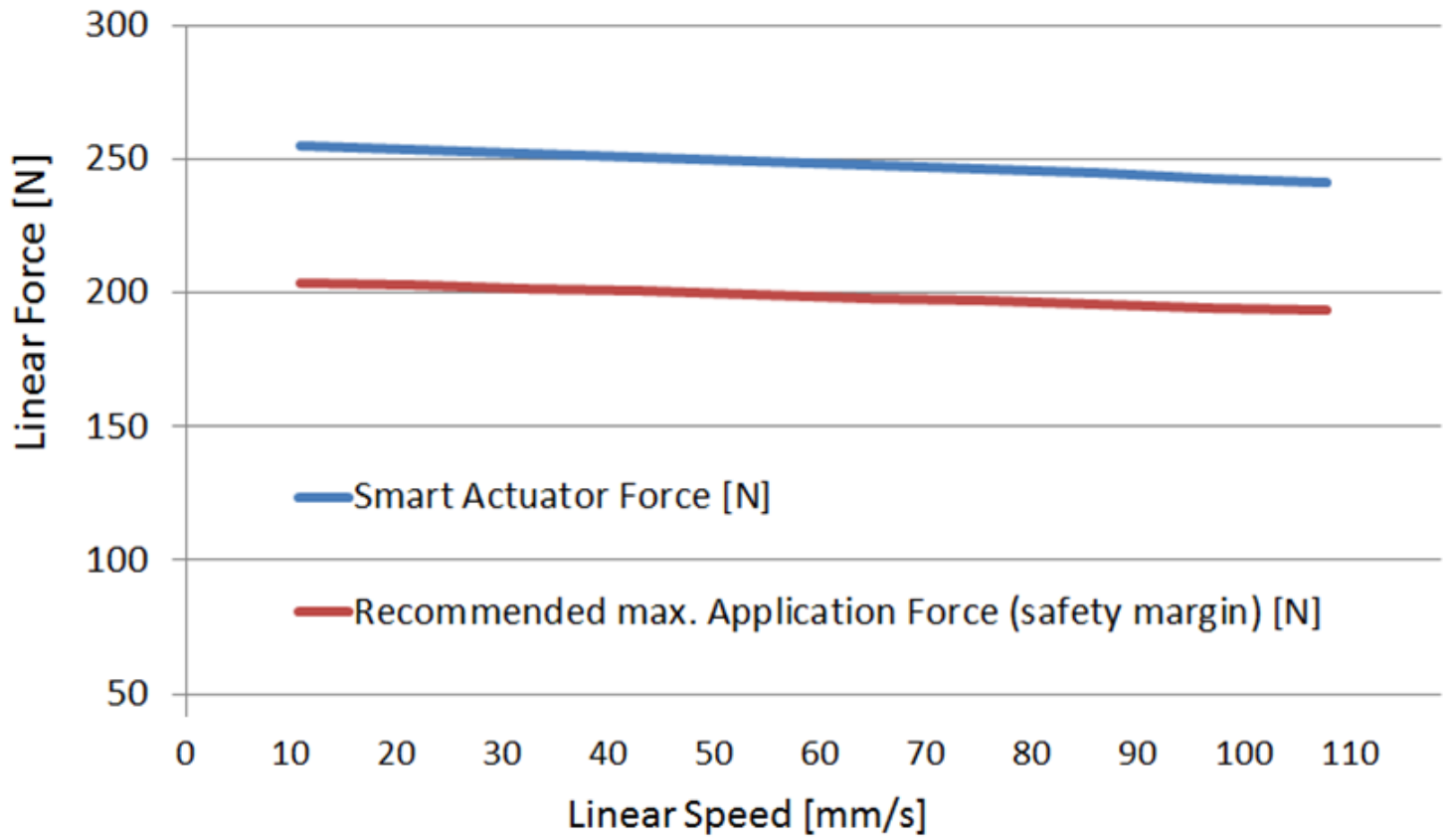
Force	240 [N] at 100 [mm/s]
Residual force	<50 [N]
Stroke	± 18 [mm]
Resolution	0.01 [mm]
Operating temp.	- 40 ... +100 [°C]
Supply voltage	20...28 [Vdc]
Protection degree	IP 6k9k
Communication	CAN (J1939)

This smart actuator is specially designed to evolve in harsh environments, where humidity, dust, vibrations and extreme temperatures prevail. Compact, with OBD functions it makes a powerful fit for e.g. hydraulic valves or any application requiring something more than just a simple actuator.

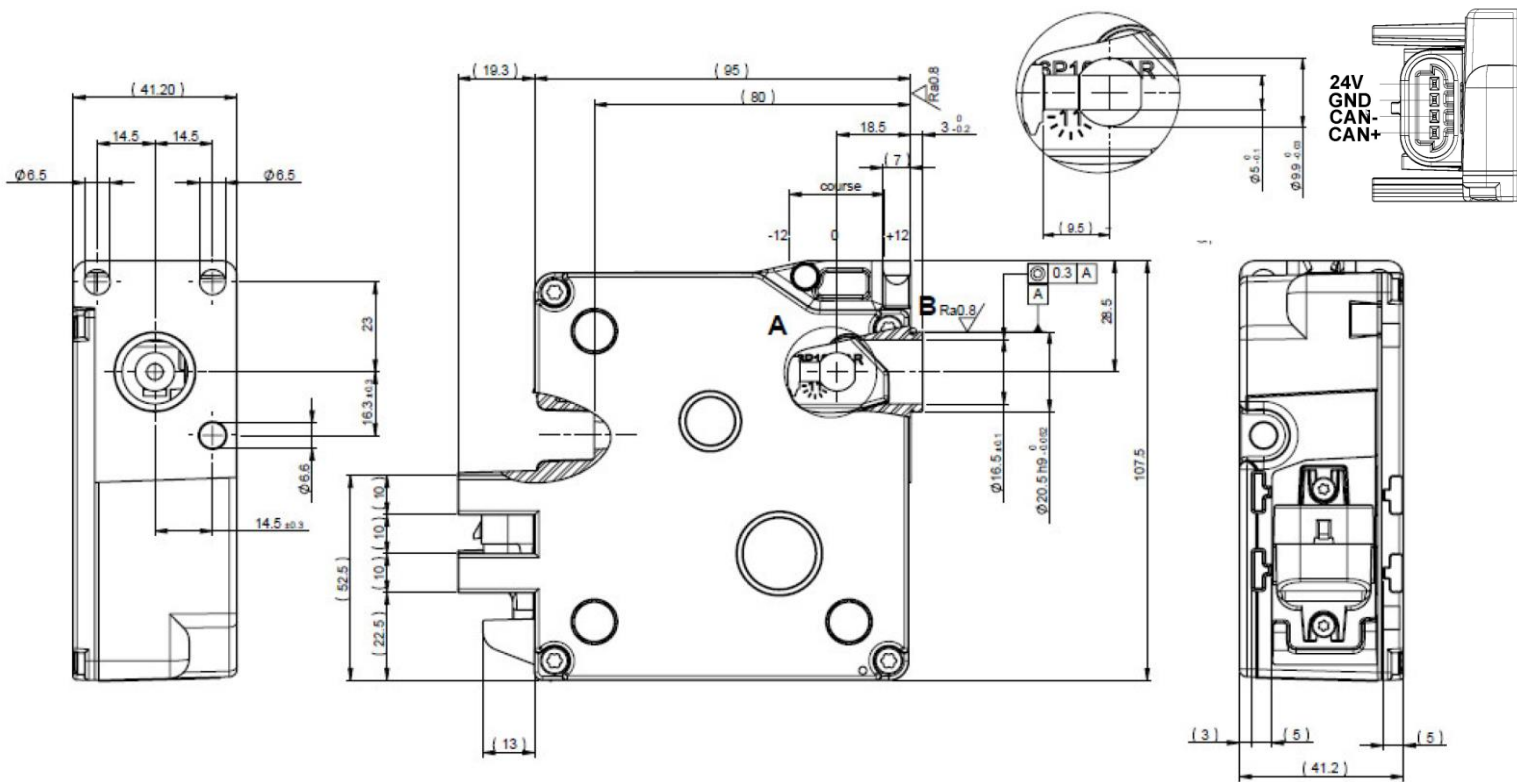
▶ Main Features

Features	Benefits
Direct drive of the spool	No need of pilot circuit
Stall Detection	Detection of sticking effects / Valve failure
Dead-Zone Compensation	Compensation of mechanical play Compensation of wear during product lifetime Increased precision
Small Size	Better integration in the engine's environment Easy integration for multi-valve assemblies
Communication Interface	CAN with ISO 11783 (J1939) protocol OBD functions (On Board Diagnostic)
Robust	Long lifetime in harsh environments

► Force diagram



► Overall dimension



Drawing not to scale. Right to change reserved.

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