## Your Intelligent Sliding System Drive

Invisible and powerful building automation



## MOOG

#### WHAT MOVES YOUR WORLD

**ÍSA** 

## Designed for a number of applications



Conventional sliding systems



Accordion operations



Telescope operations



Corner solutions accordion / telescope operations



Revolving and swing systems



Round sliding systems



Revolving systems



Automated dispensing cabinets

Your application is not listed? Ask us - we will find a suitable solution for you too!









Moog Animatics SmartMotor™



Gearbox





Interface electronics

Power supply

### Not keen on programming? No problem, we will be happy to deal with it!

#### **Key Features**

Monitoring and limiting of the actuating current Connection options for sensors Connection and control of locking units Adjustable direction of rotation End position detection

#### Modularity

Complete program ready for operation	Program modules for specific functions	Client programming
ready for operation	for specific functions	programming

- Complete program ready for operation: All the functions are already included in the software and can be launched without any programming on the client's side.
- Program modules for specific functions: individual functions can be combined in accordance with the requirements of the application.
- Client programming: for simple and uncritical applications, the drive can also be delivered without any software. The programming has to be done on the client's / system manufacturer's side.

### Do you need other unique and innovative functions? Our experts can help!

## ➡ Technical data

Application	Sliding systems indoors and outdoors, sliding elements in furniture manufacture and shop fitting	
Operating modes	Telescope operation Accordion operation Ventilation and passageway function Special features for corner solutions	
Drive	150 W Moog Animatics SmartMotor <sup>™</sup> , achieves up to 250 N of thrust	
	A highly compact and brushless DC motor with high power density. The casing of the SmartMotor <sup>™</sup> comprises as full-featured motion controller, a high-resolution encoder for precise position detection and an amplifier.	
Nominal torque	Up to 2.9 Nm	
Nominal speed	Up to 450 rpm	
Interface	CAN-Bus: both slave- and master capable RS232 KNX: via CAN-converter	
Max. shaft load	160 N (radial, center output shaft)	
Inputs	1x open / 1x close / 1x reset / 2x sensor connection / 1x locking control (see below), 1x free to use	
Locking Device Control	2x 24 V output for the control (max. 1 A, switchable), 1x input for the status feedback of the lock	
Gearbox	Low-noise planetary gearbox with integrated helical gearing	
Connection	All standard timing belts available ex factory	
Installation Ease	For quick and easy installation, the base plate of the casing is provided with mounting threads.	
Power supply	AC-DC, 150 W, integrated in the casing of the drive	
Voltage	115 / 230 V <sub>AC</sub>	
Weight	1.50 kg / 3.31 lb	

#### Benefits for manufacturers, architects and users

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- Extremely small installation space either in the ceiling, floor or wall. Reduces static and thermal bridge problems
- High efficiency and power density elements of various sizes can be covered with the same engine size. Reduces construction, production, storage and service costs
- Partially self-programmed simplifies the commissioning and servicing for assembly and service personnel
- Easy access to system parameters and system status
- Self-sufficient operational system can but does not have to be connected to home bus system
- Maintenance-free, robust and brushless DC motor

#### Benefits for users

- Exceptional range of functions and options to integrate numerous special functions
- Convenient operation
- Very smooth running despite high traversing speeds, almost silent drive is attainable even with large, heavy elements
- Optional integration of sensors, buttons and home controls
- Easy access to system parameters and system status, if desired by the manufacturer

Do you have specific requirements? We will find a suitable solution for you – contact us!

## Environmentally conscious and responsible conduct



High efficiency of our technology significantly reduces required energy consumption by up to 95%. At the same time, heat build-up is kept to minimum due to low power dissipation. This prevents excessive thermal load in frequently cramped installation areas.



By using highly efficient brushless direct current motors in combination with intelligent power control energy, resources are used responsibly and a significant contribution to reducing CO2 emission is ensured.



"We are committed to creating equilibrium between financial, social and ecological concerns in the manner of running our business."

> Stefan Böckler Managing Director at Moog Memmingen GmbH

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Moog GmbH - Niederlassung Memmingen, Allgäustr. 8a, 87766 Memmingerberg, GERMANY www.moog-memmingen.com | info.mm@moog.com | phone: +49 8331 98480-0

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