

ABB i-bus® KNX

SMI Shutter Actuators

JA/S 4.SMI.1M and SJR/S 4.24.2.1



Digital Sun Protection in Building Automation

The Shutter Actuators

JA/S 4.SMI.1M and SJR/S 4.24.2.1 allows the convenient control of SMI shutter and blind drives via the ABB i-bus® KNX.



The devices convert KNX telegrams via the integrated SMI interface into SMI telegrams which can be processed in the drives. The shutter actuators can also receive status and diagnosis signals from the drives that can be displayed using, for example, visualisation software or display panels.

An overview of the essential functions:

- Movement Up/ Down, Stop/ louvre adjustment
- Move into position (up to 4 preset positions)
- Set position
- Move to position 0% ... 100%
- Scenes
- Automatic sun protection
- Automatic temperature and energy saving function
- Monitoring of wind, rain and frost alarms (cyclical)
- Block and forced operation
- Status display: position/ louvre position/ end positions current operation mode, SMI failure, auxiliary voltage
- Diagnosis of SMI communication and drive function
- Modification of parameter settings via the KNX

The Intelligent Interface for Maximum Convenience

The digital SMI communication between the actuator and the drives is supported by numerous manufacturers and has established itself as a standard in digital sun protection. SMI-certified products of different manufacturers are compatible and can be operated simultaneously in an installation by the JA/S 4.SMI.1M and the SJR/S 4.24.2.1.

Benefits of SMI technology compared to traditional shutter control:

- The shutter can be positioned more precisely
- Status signals from the drive can be evaluated via the KNX

Cable lengths up to 350 metres can be accommodated by the intelligent SMI circuit interface. This means there are virtually no limitations that need to be taken into account during the planning and installation.

Many functions that cannot be realised with conventional drives are implemented with simple but powerful standard commands, e.g., commands for precise movement into intermediate positions or querying of current position and diagnosis.

■ = Function is supported

	SMI	
	SJR/S 4.24.2.1	JA/S 4.SMI.1M
Order details		
Order code	2CDG110143R0011	2CDG110028R0011
General		
Supply voltage	KNX	KNX
Nominal voltage	24 V DC	230 V AC
Auxiliary voltage	230 V AC	230 V AC
Type of installation	MDRC	MDRC
Module width (18 mm)	4-fold: 4	4-fold: 4
Number of outputs	4 x 4 SMI LoVo (broadcast)	4 x 4 SMI (broadcast)
Manual operation	■	■
Manual functions		
Disable/enable manual operation	■	■
Status manual operation	■	■
Operating modes		
Control with slat adjustment (blinds, etc.)	■	■
Control without slat adjustment (shutters, awnings, etc.)	■	■
Direct mode		
Limit UP/DOWN/STOP	■	■
Slat adjustment	■	■
Position height/slat [0...255]	■	■
Preset Move to position/Set position	■	■
Limited UP/DOWN	■	■
Enable limitation	■	■
8-bit scene	■	■



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