

JAL-B1UP.02

KNX Shutter Actuator 1-channel, 6 A, for 230 V AC shutter motors, with 4 binary inputs



Product description:

The flush-mounted version of the MDT Shutter Actuator with comprehensive shading functions, for decentralised installation at the blind or shutter motors. The actuator continuously calculates the position of the sun, for example, to automatically activate the sun shading where it is necessary. Existing, conventional blind push-buttons or window contacts can be connected directly to the potential-free binary inputs and evaluated.

Product functions:

- **Function jalousie/shutter:**
- **Practice-oriented ventilation function (window opened/tilted)**
- **Automatic sun shading/slat tracking based on sun position calculation**
- Travel-, pause- and step time selectable
- Separately selectable travel time for up/down
- Tip operation for exact positioning
- Extended 1 Bit automatic position and scene functions
- 1 Byte value for absolute positioning of height and slats
- Alarm-, central- and locking function
- Behaviour on Bus power failure/reset selectable
- **Function binary inputs:**
- To connect **Push-buttons, switches, window contacts**
- Integrated evaluation of window contacts
- Binary inputs can be used internally or via objects in the KNX bus
- Blind- and shutter function for singular- and double Push-button operation
- **Binary inputs can be used as a Push-button interface**
- Dimensions (H x W x D): 41 x 41 x 22 mm

Technical data:

Device	Device type	JAL Jalousie Actuator
	Article Number	JAL-B1UP.02
	EAN / GTIN	4251916130664
	Dimensions (H x W x D)	41 x 41 x 22 mm
	Weight, gross (incl. packaging)	0.066 kg
	Protection classification	IP20
	Installation type	Flush mounted
	Installation position	any
	Weight, net	0.046 kg
Performance data	Nominal voltage U_n	230 V AC
	Nominal current I_n (per output)	6 A
	Nominal frequency	50/60 Hz
	Relay type	monostable
	Mech. switching frequency	1.000.000
	Power dissipation of the device, typical	≤ 1 W
Inputs	Number of binary inputs	4
	Input voltage	3.3 V DC internal *1
	Length of the input lines	22 cm
	Permissible total cable length	10 m
Outputs	Number of outputs	1
	Maximum motor power per channel	300 W
KNX	Nominal voltage KNX	30 V DC SELV
	Voltage range KNX	21 ... 31 V DC SELV
	Typical power consumption KNX bus	< 0,3 W
	KNX Medium	TP-256 with long frame support
	KNX Application	as of ETS 4
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No

Technical data:

Connections	Connection type	Connection wire 1.5 mm ²
	Length of the connection cable	19 cm
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

*1 No galvanic isolation to the KNX bus

