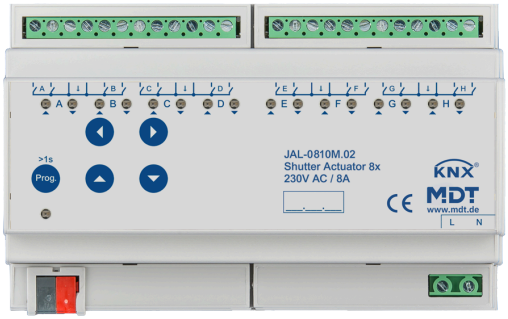
JAL-0810M.02

KNX Shutter Actuator 8-channel with travel time measurement



Product description:

The Shutter Actuator JAL is equipped with numerous additional functions and can do more than just raise and lower the blind or roller shutter. The position of the sun, for example, is continuously calculated to automatically activate the sun shading where it is necessary. The extensive blocking functions provide lock-out protection or raise the blinds/shutters for window cleaning. The automatic movement time measurement makes commissioning easier and saves valuable time. Suitable for 230 V AC motors.

Product functions:

- with sun position calculation
- **Comprehensive application**
- **The travel times are automatically measured and saved**
- Manual mode blockable and LED indicator per channel
- Operation mode for shutter/blinds
- **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 after alarm and lock separately selectable
- Behaviour on Bus power failure/reset selectable
- Two L-connections each internally bridged
- Fast application download (long frame support as of ETS 5)

Technical data:

Device	Device type	JAL Jalousie Actuator
	Article Number	JAL-0810M.02
	EAN / GTIN	4251916130657
	Installation width	8 SU / 144 mm
	Dimensions (H x W x D)	90 x 144 x 65 mm
	Weight, gross (incl. packaging)	0.496 kg
	Protection classification	IP20
	Installation type	MDRC, DIN rail 35 mm
	Installation position	any
	Weight, net	0.456 kg
Performance data	Nominal voltage U_n	230 V AC
	Nominal current I_n (per output)	8 A
	Nominal frequency	50/60 Hz
	Relay type	monostable
	Mech. switching frequency	1.000.000
	Power dissipation of the device, typical	≤ 8 W
Outputs	Number of outputs	8
	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	< 0,15 W
	KNX Medium	TP-256 with long frame support
	KNX Application	as of ETS 5 (latest)
	Auxiliary voltage	230 V AC
	Power consumption auxiliary voltage	< 0,3 W
Environmental conditions	Ambient operating temperature	0 ... 45 °C
	Storage	-20 ... +55 °C
	Humidity	< 95 %
	Condensation permissible	No
Connections	Connection type	Screw terminal with slotted head
	Conductor cross section 1 x	0,5 ... 2,5 mm²
	Screw terminal tightening torque	0.5 Nm
	KNX connection type	KNX terminal
	KNX cable cross section	0.6 ... 0.8 mm, solid conductor

Wiring diagram: