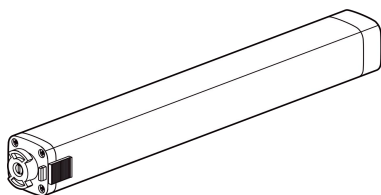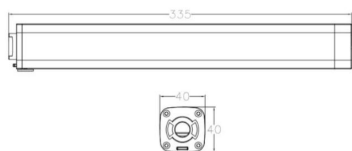# Adveco

BCK-CMWB-C001
KNX Curtain Motor

Description

The KNX curtain motor is suitable for sliding systems (opening and closing curtains). The motor is equipped with a KNX interface that supports control functions such as opening, closing, stopping, travel calibration, and direction reversal via KNX signals. It features functions including manual pull-start, gentle opening and closing, and obstacle detection with automatic stop.
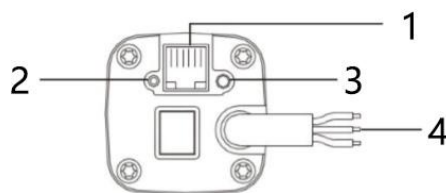
Dimensions

Functional Description

- Reversal function
- Obstacle detection and stop function
- Obstacle detection and stroke deletion function
- Electronic stroke memory
- Gentle open/close, manual pull-start, fabric squeeze release
- KNX signal setting of open/close limits
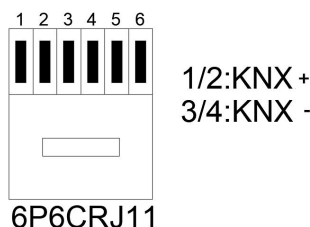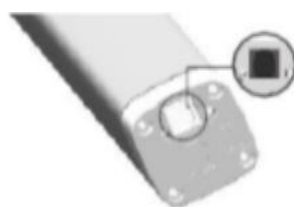- Automatic stroke calibration function

Interface Description

1. RJ11 Port (KNX Port)
2. KNX Programming Button
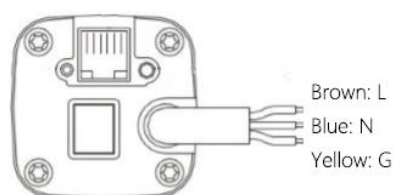3. Programming Light
4. 220V AC Power Cable

Connection

Connect the KNX cable according to the wire sequence shown in the figure below.

1/2:KNX +
3/4:KNX -

6P6CRJ11

Insert the connector plug into the corresponding position on the motor.

Connect the 220VAC according to the wire sequence shown in the diagram.

Brown: L
Blue: N
Yellow: G

Note:
1. Power must only be connected after correct installation as specified. Reversed, series, or short-circuit connections are strictly prohibited.
2. The motor must not be operated under locked-rotor conditions.
3. During transportation and use, avoid impacts, drops, or knocks. Do not apply external force to the motor output shaft or bearings.
4. When replacing the motor, prevent it from falling. Do not apply more than 50N of force to the housing.
5. Do not use this motor in corrosive environments or in areas with flammable or explosive materials.
6. Only qualified personnel from our company are authorized to disassemble the motor or replace components. Disassembled motors must not be reassembled for use. Never disassemble the motor while it is powered.

Technical Specifications

- KNX voltage: 30VDC
- KNX current: ≤10mA
- Operating voltage: AC100–240V, 50/60Hz
- Output torque: 1.2 Nm
- No-load speed: 80 r/min (fast), linear speed 12 cm/s
- Motor noise: 35 dB (measured at 100 cm from the motor)
- Rated power: 22W
- Motor load capacity: 50 kg
- Continuous running time in one direction: approximately 12 minutes
- Operating temperature: -20℃ to +55℃
- Operating humidity: 5%–95% RH