# HDL®

CE RoHS

**MWM65B.20**

Buspro Curtain Motor 220V AC/with adapter

**buspro**

**Datasheet**

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Figure 1. Buspro Curtain Motor
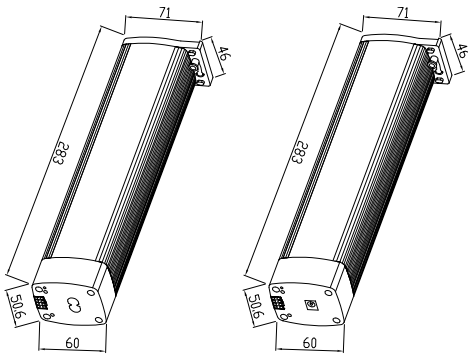(Left: 220V AC ver., Right: Adapter ver.)



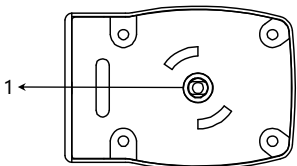Figure 2. Dimensions (Left: 220V AC ver., Right: Adapter ver., Unit: mm)
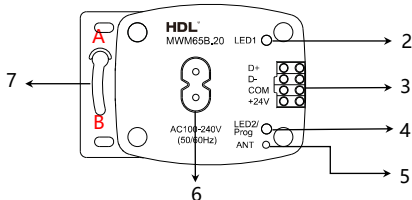


Figure 3. Bottom view (1)



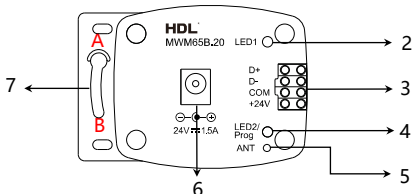Figure 4. Bottom view (2) - 220V AC ver.



Figure 5. Bottom view (2) - Adapter ver.

## Overview

Master Curtain Control Motor (Figure 1) receives HDL Buspro signal to control the curtains.

Its features include:

■ Open (full or to certain extent), close or stop the curtain

■ Supports pulling the curtain to start the motor

■ Automatic ranging and switch limiting position configuration supported

■ Maximum curtain extension range display

■ Buspro power detection

■ HDL Buspro communication

■ Online update supported

■ Power supply via DC motor

■ Applicable for all kinds of medium-sized linear or arched curtain

## Components and Operation

### Dimensions - Figure 2 - 5

1. Motor shaft

2. LED Indicator 1/Code Learning Button (For detailed information about code learning, please refer to the user manual of the remote controller.)

3. Buspro interface

4. LED Indicator 2 / PROG Button (Programming Button)

5. Antenna (Reserved)

6. Power interface

7. Clipping lock

### Status Description of LED indicator

| Function          Status | LED status | Way to enter the status | Way to exit the status |
|---|---|---|---|
| Working properly | LED Indicator 2 flashes once at the interval of 2s | / | / |
| Modify motor address | LED Indicator 2 keeps on in red | Press PROG Button for 3s | Press PROG Button for 3s / no operation for 9s |

**Note:** The above operations are carried out in normal working mode.

## Installation

As shown in Figure 4 and Figure 5,

1. Pull and turn the clipping lock (Mark 7 in Figure 4 and Figure 5) from A to B .

2. Put the motor shaft into the rail and turn the clipping lock from B to A to lock the motor.

## Note(s)

■ Buspro connection: Series connection (hand-in-hand recommended)

■ Ensure correct connection to HDL Buspro terminal

■ Ensure tight connection between the motor and the rail

## Warning ⚠

■ The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

■ HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this specification.

■ Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.

■ Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

■ Do not put any additional weight on the rail, and do not climb the curtain.

■ When you install the motor to the drive unit, please check and make sure that the latch is pushed into locked hole, otherwise the motor will fall down to cause product damage or personal injury.

## Package Contents

220V AC ver.: MWM65B.20*1 / Power cable*1 / Datasheet*1

Adapter ver.: MWM65B.20*1 / Power cable and adapter*1 / Datasheet*1

# Technical Data

## Basic Parameters

| | |
|---|---|
| Working voltage | 12-30V DC |
| Working current | 7mA / 24V DC |
| Rated input voltage | 220V AC ver.: AC 100-240V (50/60Hz)<br>Adapter ver.: 24V DC |
| Rated input current | 220V AC ver.: 0.4A<br>Adapter ver.: 1.5A |
| Motor torque | 1.2N.m |
| Motor rotate speed | 95rpm |
| Terminal wire diameter | 0.6-0.8mm |
| Communication | HDL Buspro |

## External Environment

| | |
|---|---|
| Working temperature | -5℃~45℃ |
| Working relative humidity | ≤90% |
| Storage temperature | -20℃~60℃ |
| Storage relative humidity | ≤93% |

## Specifications

| | |
|---|---|
| Dimensions | 283×71×50.6（mm） |
| Net weight | 220V AC ver.: 996g<br>Adapter ver.: 879g |
| Housing material | PC, aluminum |
| Installation | Wall hanging |
| Protection rating | IP41 |

## Name and Content of Hazardous Substances in Products

| Components | Hazardous substances | | | | | |
|---|---|---|---|---|---|---|
| | Lead (Pb) | Mercury (Hg) | Cadmium (Cd) | Chromium VI (Cr (VI)) | Poly-brominated biphenyls (PBB) | Poly-brominated diphenyl ethers （PBDE） |
| Plastic | o | o | o | o | o | o |
| Hardware | o | o | o | o | - | - |
| Screw | o | o | o | × | - | - |
| Solder | × | o | o | o | - | - |
| PCB | × | o | o | o | o | o |
| IC | o | o | o | o | × | × |

The symbol "-" indicates that the hazardous substance is not contained.

The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.

The symbol "×" indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

# HDL Buspro Cable

| HDL Buspro | HDL Bus Wire |
|---|---|
| DATA+ | Yellow |
| DATA- | White |
| COM | Black |
| 24V DC | Red |