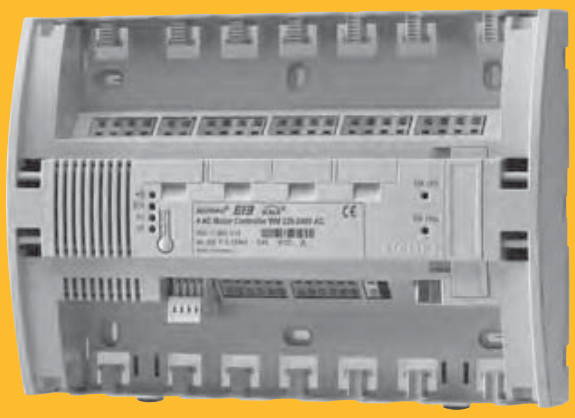
somfy.com

# animeo®
# KNX 4 AC Motor Controller WM/DRM 220-240 V AC

**Gebrauchsanweisung**
**Installationsvejledning**
**Asennusohjeet**

**Notice d'installation**
**Installation guide**
**Guida all'installazione**

**Montagehandleiding**
**Installasjonsanvisninger**
**Innstallationsanvisningar**



Ref. 1860114

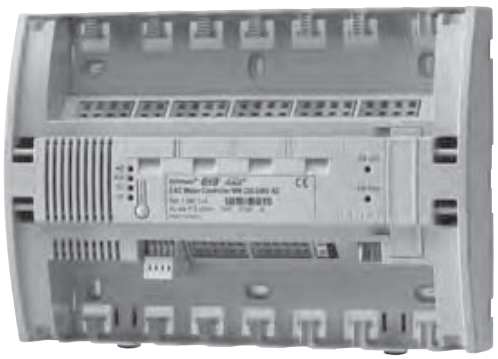


Ref. 1860116

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# A

[1]

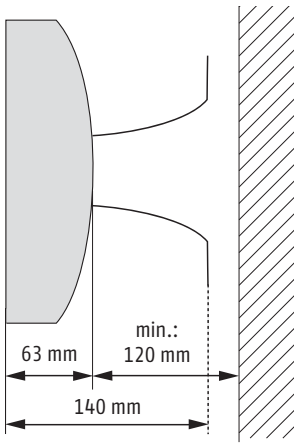


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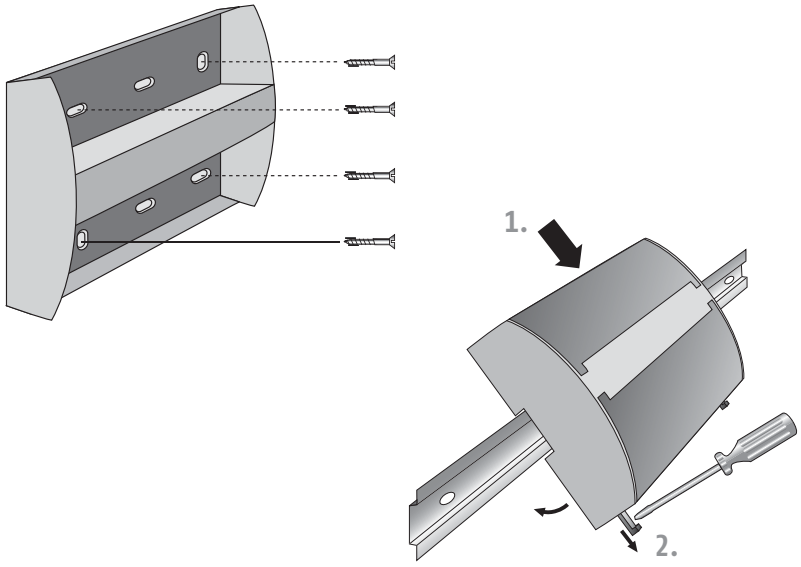


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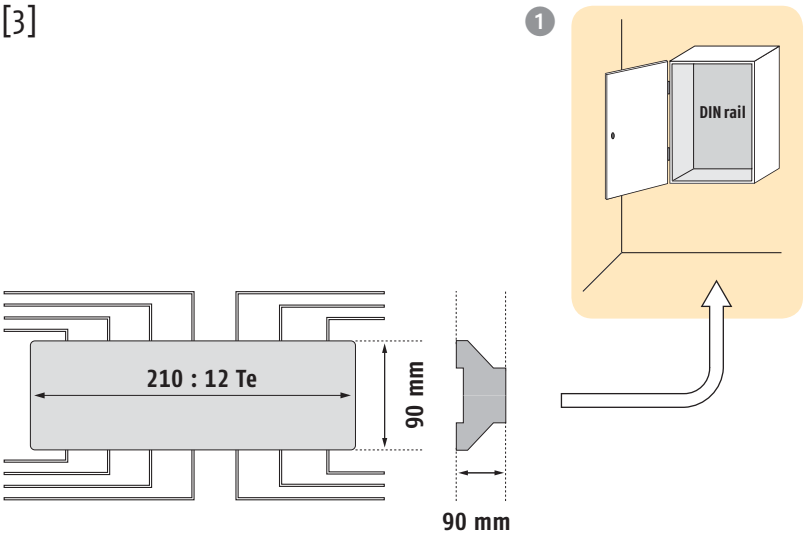
[1]


63 mm
min.:
120 mm
140 mm

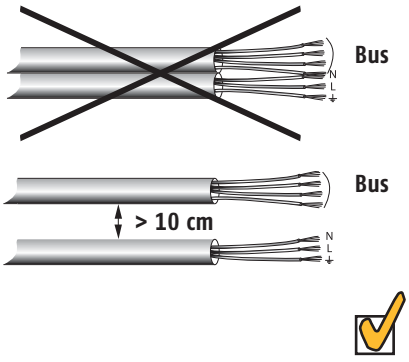
[2]


1.
2.

[3]

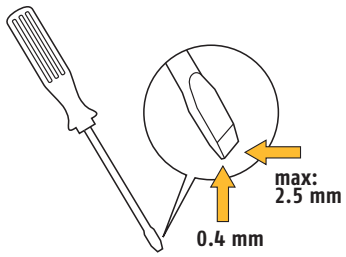

1
DIN rail
210 : 12 Te
90 mm
90 mm

[4]

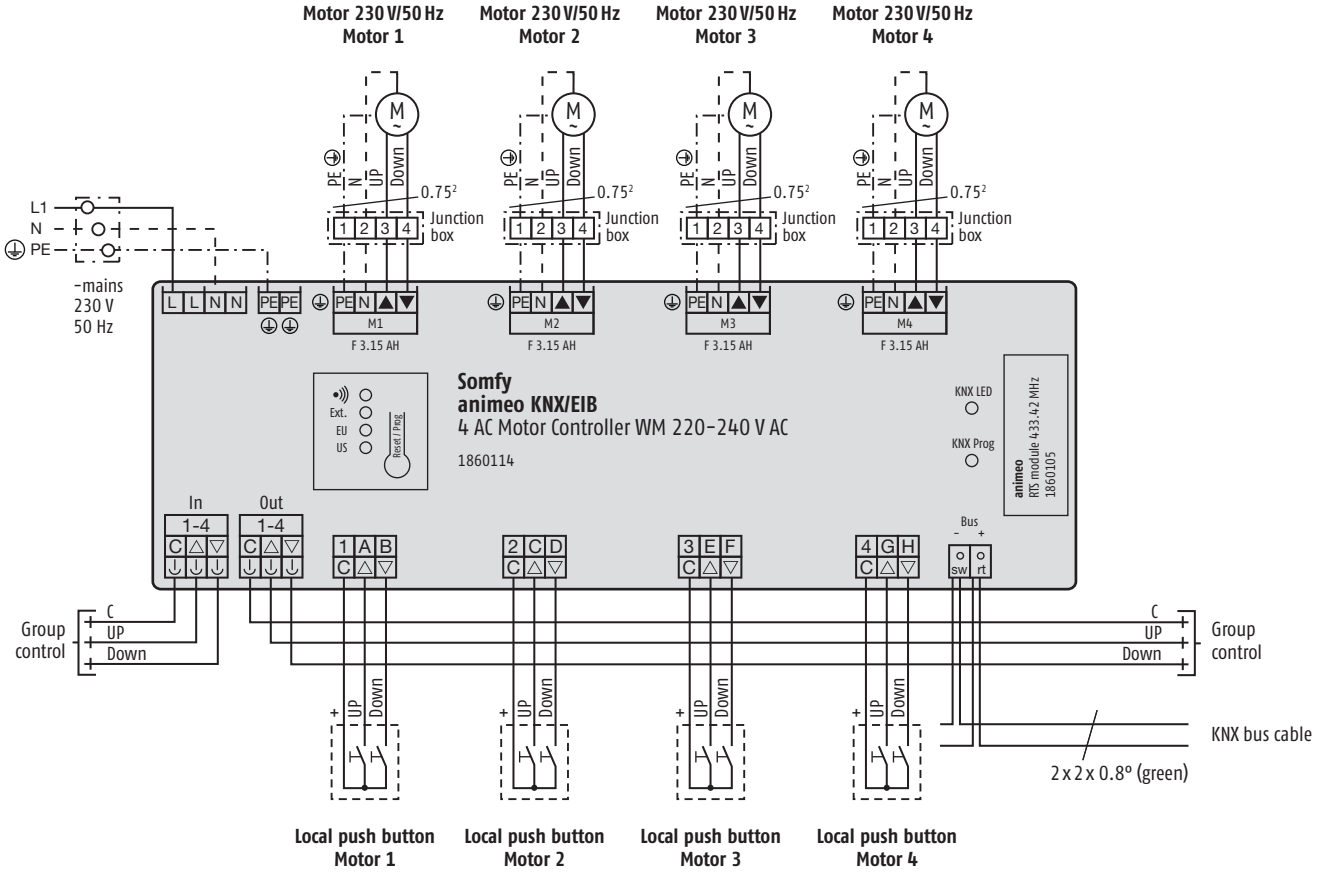

Bus
Bus
> 10 cm

C

[1]




[2]

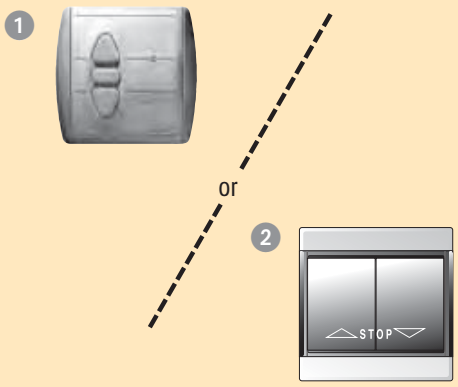



Local push button inputs can be used as universal KNX binary inputs!

[3]

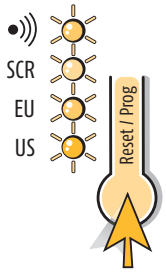



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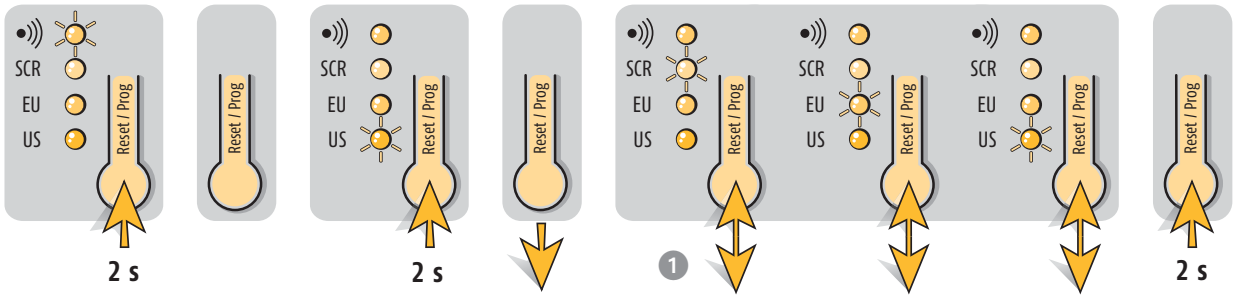


D

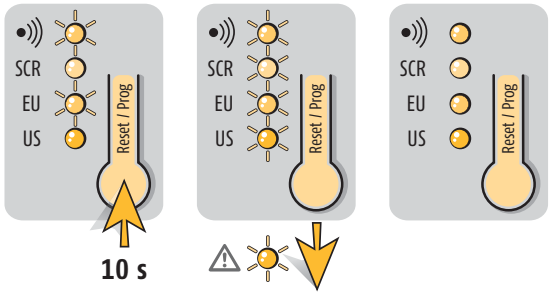
[1]


SCR
EU
US
Reset / Prog

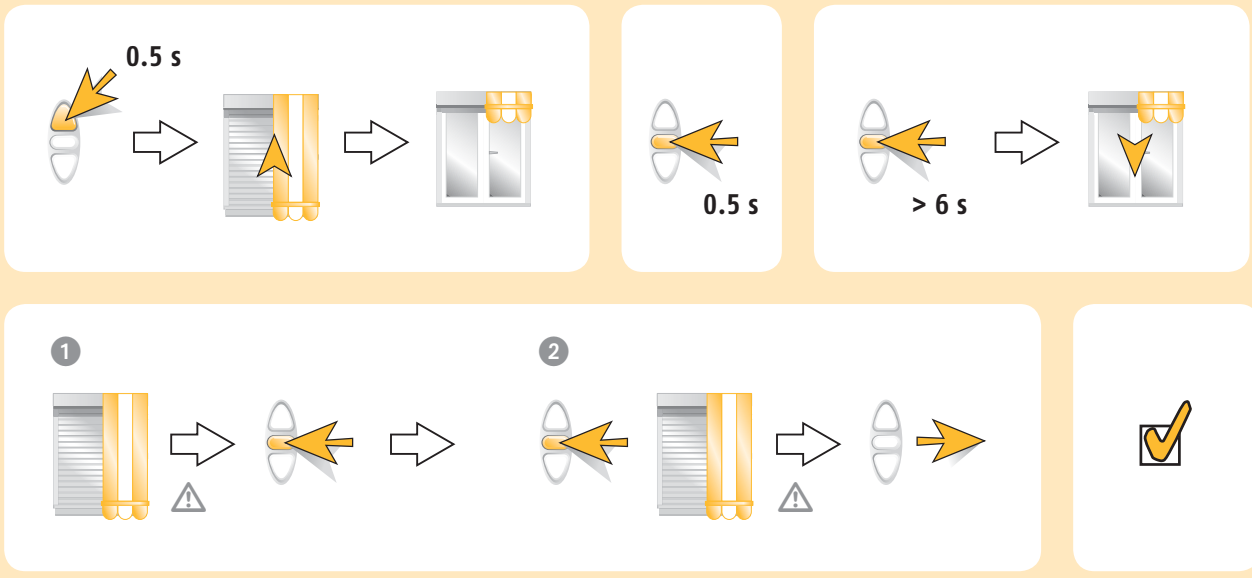
[2]


SCR
EU
US
Reset / Prog
2 s
2 s
1
2 s

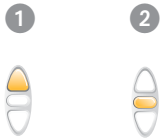
[3]


SCR
EU
US
Reset / Prog
10 s

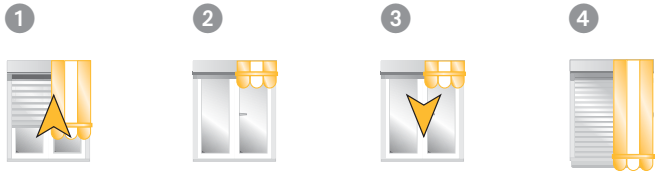
[4]


0.5 s
0.5 s
> 6 s
1
2

[5]


1
2

[6]


1
2
3
4

# Notices

# GB

## A PICTURES

**[1]** 4 AC Motor Controller WM 220–240 V AC, wall mounted version

**[2]** 4 AC Motor Controller DRM 220–240 V AC, DIN rail mounted version

## B MOUNTING

**[1]** Choose the optimal location: flat and large surface

**[2]** Mount the 4 AC Motor Controller WM

**[3]** DIN Rail mounted version

1. Electrical cabinet

**[4]** Connect power supply and wiring to the Motor Controller

## C WIRING

**[1]** Tool for all terminals

**[2]** Wiring diagram

**[3]** Check the correct running directions of the end product
UP: the end product goes up (C + ▲)
STOP: the end product stops (C + ▼ + ▲)
DOWN: the end product goes down (C + ▼)
⚠ To close window press UP, to open window press DOWN.

**[4]** Possible switches

1. Inteo Centralis IB, Ref. 1810138
2. Double push button

## D CONFIGURATION

**[1] Reset / Prog button**
With this button, you can access the basic configuration of the Motor Controller.

The „US" LED is steadily blinking when the mains (230 V) and the KNX bus power are actively connected to the device. The device is ready for operation when the „US" LED is blinking. The Reset / Prog button can be used to select a switch ergonomic when the device is in default condition and is not programmed by the ETS Software. The different ergonomics are described in the user manual.

**[2] Selection of switch ergonomic**
Local push button ergonomics and the type of end products to be preselected:
- Screen mode
- Venetian blind, European mode
- Venetian blind, US mode

The default mode is: Venetian blind, EU mode.

1. To toggle between modes, press shortly the Reset / Prog button. Repeat until the LED, according to the desired configuration, lights up.

**[3] Factory RESET**

**[4] Learn running and tilting times/length**

1. Press immediately when lower end limit is reached
2. Maintain stop for duration of tilting

**[5]** Symbols: actions

1. Up
2. Stop

**[6]** Symbols: end product status

1. Up
2. High position
3. Down
4. Low position

⚠ When electronic motors are to be controlled through this Motor Controller device it is mandatory to configure the start-up delay time for electronic motors in the Motor Controller settings. To configure the start-up delay time WT Setting Tool Ref. 1811242 can be used.

**CABLE**

| Connection to … | Cables | Twisted pairs | Max. distance |
|---|---|---|---|
| **Motors** | Min.: 4 x 0.75 mm²/19 AWG<br>Max.: 4 x 2.5 mm²/14 AWG | - | 150 m |
| **Switches** | Min.: 3 x 0.6 mm/22 AWG<br>Max.: 3 x 2.5 mm²/14 AWG | Recommended | 100 m |
| **Group control** | Min.: 3 x 0.6 mm/22 AWG<br>Max.: 3 x 1.5 mm²/16 AWG | Recommended | 50 m |
| **KNX bus** | 2 x 0.8 mm/20 AWG | Required, following KNX topology guidelines | |
| **220 – 240 V AC** | Min.: 3 x 1.5 mm²/16 AWG<br>Max.: 3 x 2.5 mm²/14 AWG | - | |

**DE** Vor Inbetriebnahme unbedingt die Sicherheitsanweisungen in dieser Anleitung beachten. Die Haftung von SOMFY für Mängel und Schäden ist ausgeschlossen, wenn diese auf Nichtbeachten der Gebrauchsanweisung (falsche Installation, Fehlbedienung, etc.) beruhen. Errichten, Prüfen und Inbetriebsetzen der Anlage darf nur von einer Fachkraft (lt. VDE 0100) durchgeführt werden! Schalten Sie alle zu montierenden Anschlussleitungen spannungslos! Treffen Sie Vorkehrungen gegen unbeabsichtigtes Einschalten!

**DK** Før installationen påbegyndes, skal denne vejledning læses, og anvisningerne følges. Fejl på installationen kan medføre alvorlig personskade. Produktet skal monteres af en autoriseret elektriker. Somfy's ansvar for mangler og skader, bortfalder hvis anvisningerne i denne installationsvejledning ikke følges. Gem denne vejledning til fremtidigt brug.

**FI** Ennen asennusta, ole hyvä ja lue ja seuraa näitä ohjeita. Virheellinen asennus voi aiheuttaa vakavia vaurioita. Tuotteen tulee asentaa valtuutettu sähköasentaja. SOMFYn vastuu virheistä ja vaurioista poistuu, jos ne ovat aiheutuneet ohjeiden vastaisesta toiminnasta. Säilytä nämä ohjeet.

**FR** Avant la mise en œuvre, veuillez lire et suivre les instructions de sécurité ci-jointes. Une mauvaise installation peut conduire à de graves blessures. Le produit doit être installé par un électricien qualifié. SOMFY ne peut être tenue responsable des vices et des dommages occasionnés par un non respect de ces instructions. Conservez ces instructions pour toute intervention sur le produit.

**GB** Before installation, please read and follow these instructions. An incorrect installation could lead to serious injury. The product must be installed by a qualified electrician. SOMFY's liability for defects and damages is excluded if they were caused by disregard of the instructions. Keep these instructions for future reference.

**IT** Prima dell'installazione leggere attentamente queste istruzioni. Un'installazione non corretta può causare gravi ferite. L'installazione deve essere eseguita da un elettricista qualificato. SOMFY non può essere ritenuta responsabile per difetti o danneggiamenti causati dal mancato rispetto di queste istruzioni. Conservare queste istruzioni.

**NL** Lees voor het installeren eerst deze handleiding. Een onjuiste installatie kan de apparatuur ernstig beschadigen. Dit product mag alleen door een deskundige aangesloten worden. De SOMFY garantie is niet van toepassing als de aanwijzigingen in deze handleiding genegeerd worden. Bewaar dit document voor later gebruik.

**NO** Før installasjon, les disse instrukser. Feil installasjon kan føre til alvorlig skade. Installasjonen skal utføres av autorisert installatør. SOMFY's ansvar for skader bortfaller hvis disse instruksjoner ikke følges. Behold instruksjonene for fremtidige referanser.

**SE** Före installation, läs noggrant igenom denna manual och följ sedan instruktionerna. En felaktig installation kan medföra livsfara. Produkten skall installeras av behörig elektriker. SOMFY's åtaganden gäller ej om installation inte utförts enligt instruktionerna. Spara manualen för framtida bruk.

## CHARACTERISTICS: animeo KNX 4 AC MOTOR CONTROLLER

| KNX 4 AC Motor Controller | WM Ref. 1860114 | DRM Ref. 1860116 |
|---|---|---|
| **Supply voltage** | 220-240 V AC / 50/60 Hz | 220-240 V AC / 50/60 Hz |
| **Stand-by current (IEC 62301)** | 6 mA @230 V AC | 6 mA @230 V AC |
| **Stand-by power (IEC 62301)** | < 0,5 W @ 230 V AC | < 0,5 W @ 230 V AC |
| **Supply voltage from KNX Bus** | KNX-voltage 21 ... 30 V DC, SELV | KNX-voltage 21 ... 30 V DC, SELV |
| **Rated current consumption KNX** | As per KNX guideline; 10 mA | As per KNX guideline; 10 mA |
| **Max. motor current consumption** | 4 x 3.0 A, cos φ = 0.95 | 4 x 3.0 A, cos φ = 0.95 |
| **Supply voltage of group control input** | SELV, 16 V DC = | SELV, 16 V DC = |
| **Supply voltage of local push buttons** | SELV, 16 V DC = | SELV, 16 V DC = |
| **Fuse per output** | 4 x F 3.15 AH | 4 x F 3.15 AH |
| **Terminals** | Spring connectors | Spring connectors |
| **Terminal KNX** | KNX bus terminal (black/red) | KNX bus terminal (black/red) |
| **Running time per output** | Max. 5 minutes | Max. 5 minutes |
| **Operating temperature** | 0 °C to 45 °C | 0 °C to 45 °C |
| **Relative humidity** | 85 % | 85 % |
| **Material of housing** | CC-ABS polycarbonate | CC-ABS polycarbonate |
| **Housing dimensions (w x h x d)** | 180 x 255 x 63 mm | 90 x 210 x 63 mm (12 HP) |
| **Degree of protection** | IP 20 | IP 20 |
| **Protection class** | II (looped through PE connection - depending on the installation) | |
| **Conformity** | www.somfy.com/ce | |

**The Motor Controller is an electronically and manually-operated, independently-mounted control.**

- Class A control funtion
- Type 1 action
- Pollution degree: 2
- Rated impulse voltage: 4 kV
- Temperature of the ball hardness test: 75 ° C
- Type X attachment
- Method of attachment for non-detachable cords: screwless spring terminal
- EMC emission test: $U_{AC}$ = 230 V AC $I_{AC}$ = 0.5 A (EN 55022 Class B emission)

**Der Motor Controller ist ein elektronisches und manuell betätigtes, unabhängig montiertes Regel- und Steuergerät.**

- Software-Klasse A
- Wirkungsweise: Type 1
- Verschmutzungsgrad: 2
- Bemessungs-Stoßspannung: 4 kV
- Temperatur der Kugeldruckprüfung: 75 ° C
- Anbringungsart: Typ X
- Befestigungsart für fest angeschlossene Leitungen: schraubenlose Federklemme
- EMV Störaussendungsprüfung: $U_{AC}$ = 230 V AC $I_{AC}$ = 0.5 A (EN 55022 Sendeklasse B)

www.somfy.com/DFS/manuals/

AUSTRIA
**SOMFY GesmbH**
www.somfy.at
Tel.: (43) 6 626 253 080

AUSTRALIA
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