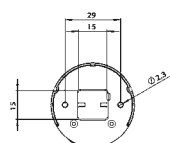
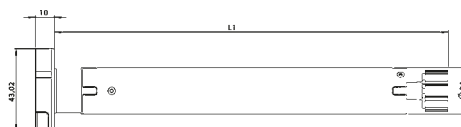




## DATENBLATT | LL-SMI-24-24/09NM RB Q

### KURZBESCHREIBUNG

- SMI-Lovoline-Motor für 24VDC
- Zur präzisen Steuerung von Rollos/Screens
- Im Schaltermodus einfacher Betrieb über
- Standard-Taster
- Bidirektionale Kommunikation (SMI-Technologie) zwischen Motor und Motorsteuergerät
- Motorgeschwindigkeit langsamer bei Start / Stopp
- Parallelbetrieb
  - Über den SMI-BUS können bis zu 16 SMI-Motoren parallel geschaltet werden
  - Über den SMI-BUS ist der Betrieb einzelner Motoren möglich
- Synchroner Gleichlauf der Beschattungen
- Obere und untere Endposition elektronisch programmierbar
- Zwischenpositionsspeicher
- Einfache Einstellung der Endlagen mit dem „LL-Progset-ME24/SMI-24“ (Art.-Nr.: 54185735)



## TECHNISCHE DATEN

| PARAMETER                         | WERT                             |
|-----------------------------------|----------------------------------|
| Versorgungsspannungsbereich:      | 22 – 28 VDC                      |
| Versorgungsspannung (nominal):    | 24 VDC                           |
| Leistungsaufnahme (Leerlauf):     | 0,2 W <sup>1)</sup>              |
| Leistungsaufnahme (Nennleistung): | 6 W <sup>1)</sup>                |
| Leistungsaufnahme (maximal):      | 12 W <sup>1)</sup>               |
| Nenndrehmoment:                   | 65 Ncm                           |
| Max. Drehmoment                   | 90 Ncm <sup>2)</sup>             |
| Max. Einschaltdauer:              | 10 Min. bei Raumtemp. von +25 °C |
| Drehzahl                          | 20 min <sup>-1</sup>             |
| Betriebstemperaturbereich         | -10 °C bis +85 °C                |
| Schutzart                         | 20                               |
| Anschlussklemme                   | JST                              |
| Länge L1                          | 177mm                            |
| Konformität                       | CE                               |

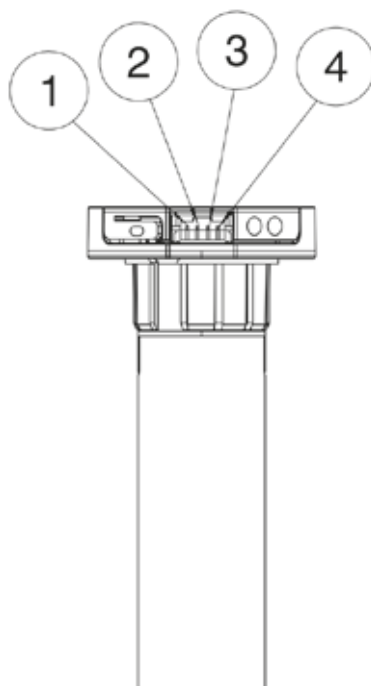
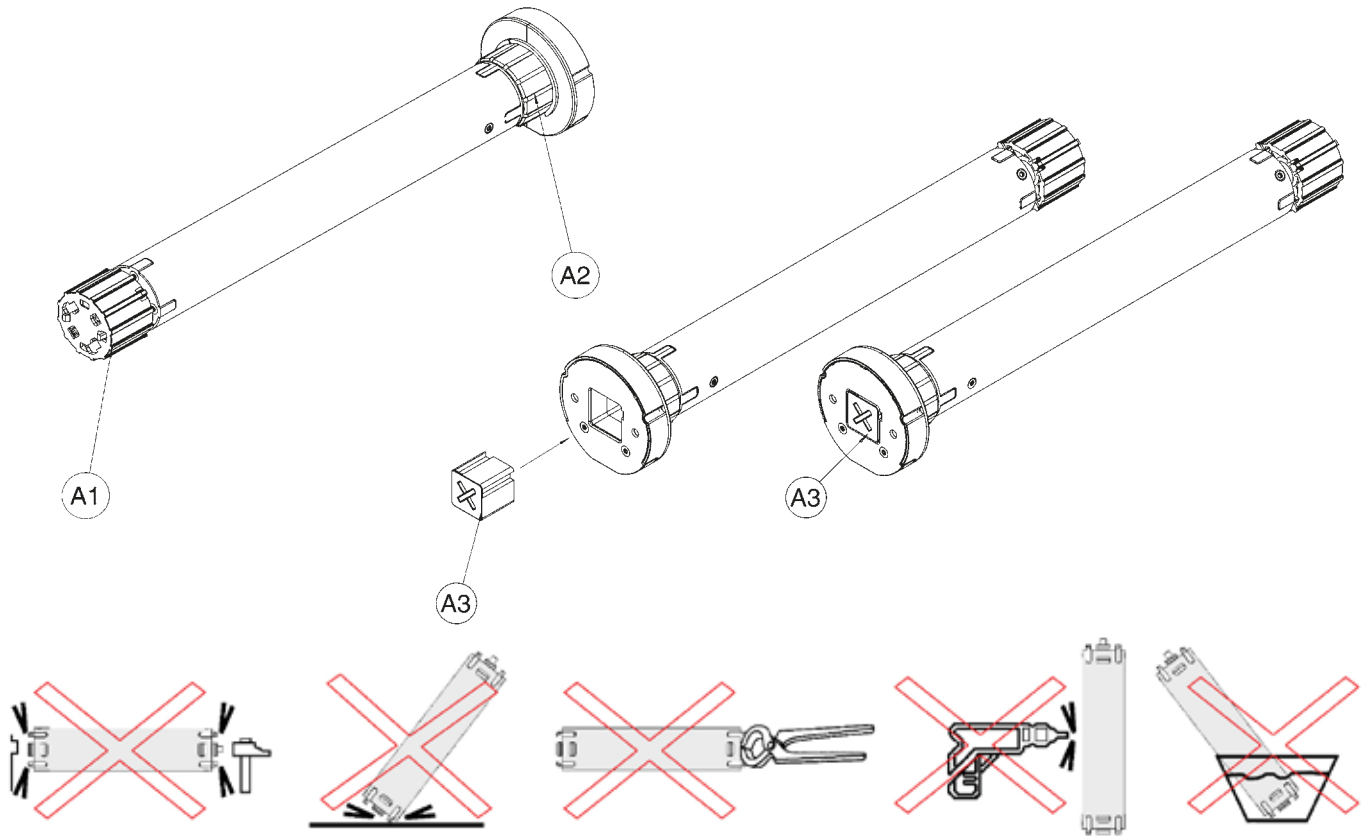
<sup>1)</sup> Bei empfohlener Versorgungsspannung

<sup>2)</sup> Bei einer Drehzahl 23 min<sup>-1</sup>

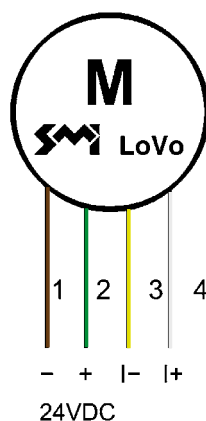


## ANSCHLUSSPLAN

### MONTAGE DER ADAPTER-SETS

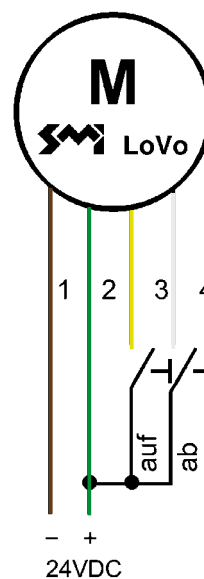


#### Anschlüsse

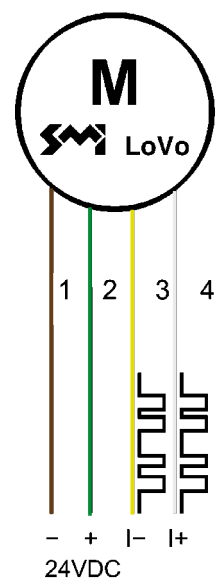


- 1 GND / braun
- 2 24VDC / grün
- 3 SMI-BUS - / gelb
- 4 SMI-BUS + / weiß

#### Betriebsart Taster



#### Betriebsart Kommunikation

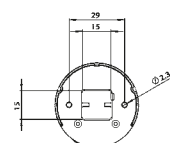
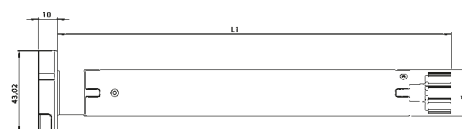




## DATA SHEET | LL-SMI-24-24/09NM RB Q

### SHORT DESCRIPTION

- SMI Lovoline motor for 24 VDC
- For precise control of roller shutters/screens
- In switch mode, simple operation via standard buttons
- Bidirectional communication (SMI technology) between motor and control unit
- Motor speed reduced at start/stop
- Parallel operation
  - Up to 16 SMI motors can be connected in parallel via the SMI bus
  - Operation of individual motors possible via the SMI bus
- Synchronous movement of shading systems
- Upper and lower limit positions electronically programmable
- Intermediate position memory
- Easy limit adjustment using the "LL-Progset-ME24/SMI-24" (Art. No.: 54185735)
- Obstacle detection / braking function



## TECHNICAL DATA

| PARAMETER               | VALUE                                    |
|-------------------------|------------------------------------------|
| Supply voltage range:   | 22 – 28 VDC                              |
| Nominal supply voltage: | 24 VDC                                   |
| Rated Power (idle):     | 0,2 W <sup>1)</sup>                      |
| Rated Power (nominal):  | 6 W <sup>1)</sup>                        |
| Rated Power (maximum):  | 12 W <sup>1)</sup>                       |
| Rated Torque:           | 65 Ncm                                   |
| Maximum Torque:         | 90 Ncm <sup>2)</sup>                     |
| Maximum Running time:   | 10 Min. at ambient temperature of +25 °C |
| Output speed:           | 20 min <sup>-1</sup>                     |
| Operating temperature   | -10 °C to +85 °C                         |
| Protection degree       | 20                                       |
| Connection terminal     | JST                                      |
| Length L1               | 177mm                                    |
| Conformity              | CE                                       |

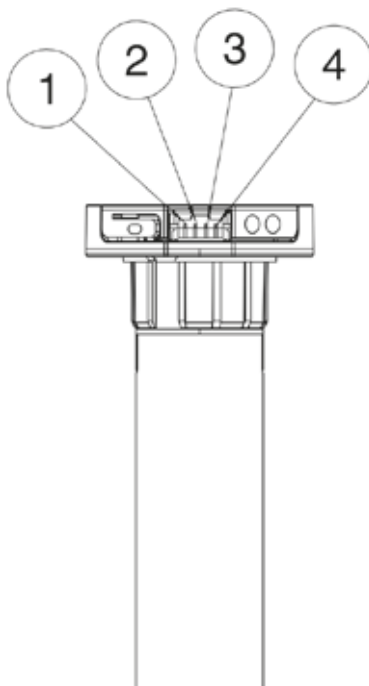
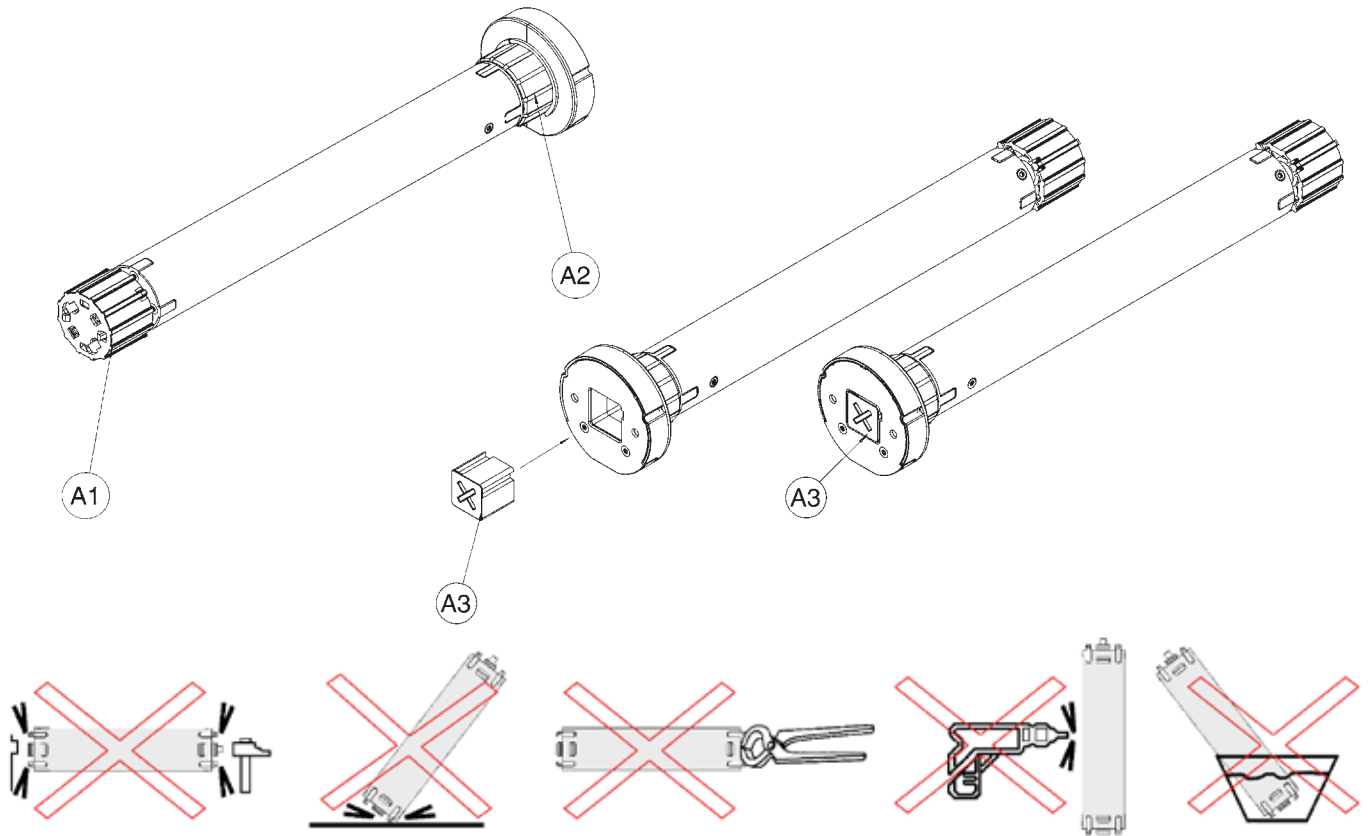
<sup>1)</sup> At recommended supply voltage

<sup>2)</sup> At a speed of 23 min<sup>-1</sup>

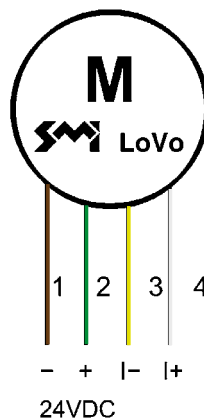


## WIRING DIAGRAM

### MOUNTING OF THE ADAPTER SETS

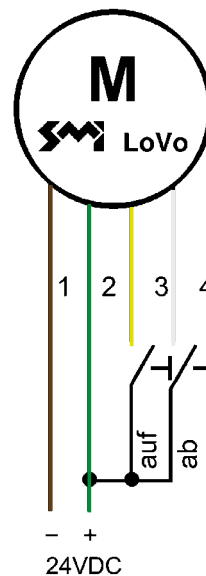


#### Connections

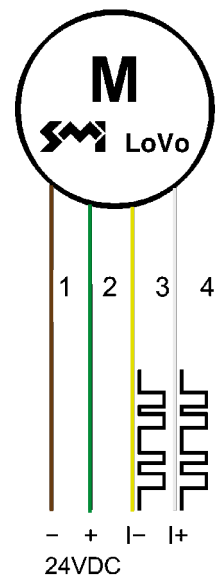


- 1 GND / brown
- 2 24VDC / green
- 3 SMI-BUS - / yellow
- 4 SMI-BUS + / white

#### Operation mode push button



#### Operation mode communication

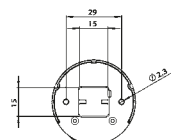
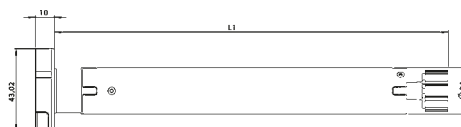




## GEGEVENSBLAD | LL-SMI-24-24/09NM RB Q

### KORTE BESCHRIJVING

- SMI-Lovoline-motor voor 24VDC
- Voor nauwkeurige aansturing van rolluiken/screens
- In schakelmotor-modus eenvoudige bediening via standaard drukknop
- Bidirectionele communicatie (SMI-technologie) tussen motor en motorbesturing
- Motorsnelheid langzamer bij start/stop
- Parallelbedrijf
  - Via de SMI-BUS kunnen tot 16 SMI-motoren parallel worden geschakeld
  - Via de SMI-BUS is ook individuele bediening van motoren mogelijk
- Synchrone loop van de zonwering
- Bovenste en onderste eindpositie elektronisch programmeerbaar
- Geheugen voor tussenposities
- Eenvoudige instelling van de eindposities met de „LL-Progset-ME24/SMI-24“ (Art.-Nr.: 54185735)
- Obstakeldetectie / remfunctie



## TECHNISCHE GEGEVENS

| PARAMETER                    | WAARDE                                      |
|------------------------------|---------------------------------------------|
| Voedingsspanningsbereik:     | 22 – 28 VDC                                 |
| Voedingsspanning (nominaal): | 24 VDC                                      |
| Vermogensopname (onbelast):  | 0,2 W <sup>1)</sup>                         |
| Vermogensopname (nominaal):  | 6 W <sup>1)</sup>                           |
| Vermogensopname (maximaal):  | 12 W <sup>1)</sup>                          |
| Nominaal koppel:             | 65 Ncm                                      |
| Max. koppel:                 | 90 Ncm <sup>2)</sup>                        |
| Max. inschakelduur:          | 10 Min. bij omgevingstemperatuur van +25 °C |
| Toerental:                   | 20 min <sup>-1</sup>                        |
| Bedrijfstemperatuur          | -10 °C tot +85 °C                           |
| Beschermingsgraad            | 20                                          |
| Aansluitklem                 | JST                                         |
| Lengte L1                    | 177mm                                       |
| Conformiteit                 | CE                                          |

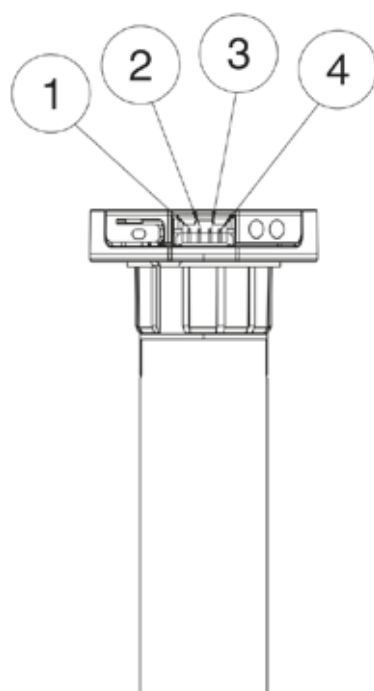
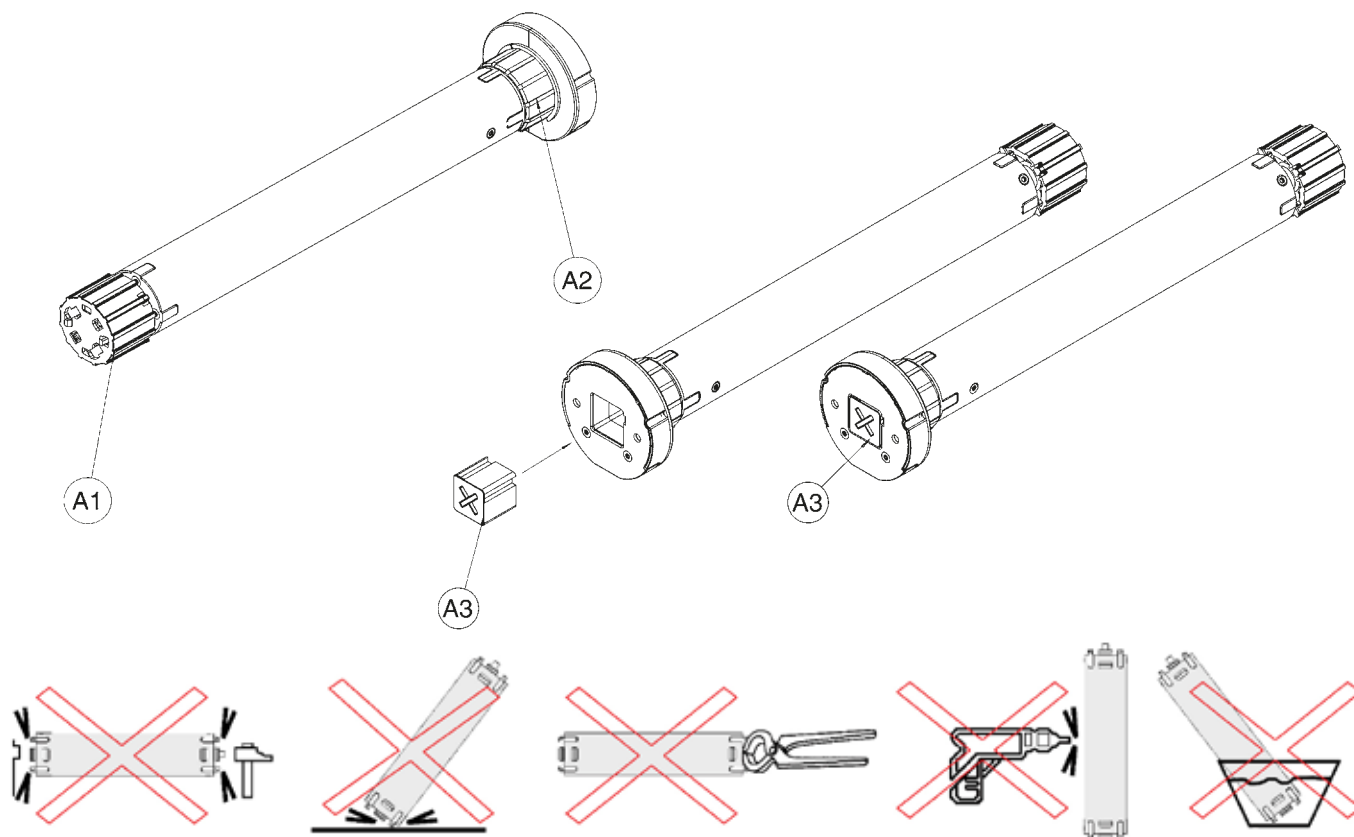
<sup>1)</sup> Bij aanbevolen voedingsspanning

<sup>2)</sup> Bij een toerental van 23 min<sup>-1</sup>

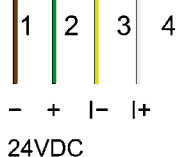
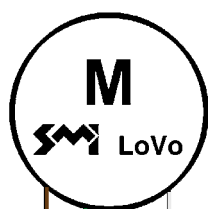


## AANSLUITSCHEMA

### MONTAGE VAN DE ADAPTERSETS

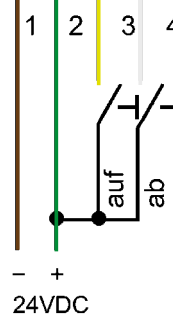
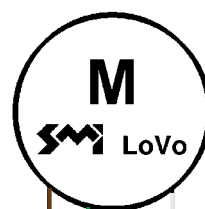


#### Aansluitingen



- 1 GND / bruin
- 2 24VDC / groen
- 3 SMI-BUS - / geel
- 4 SMI-BUS + / wit

#### Bedrijfsmodus toets



#### Bedrijfsmodus communicatie

