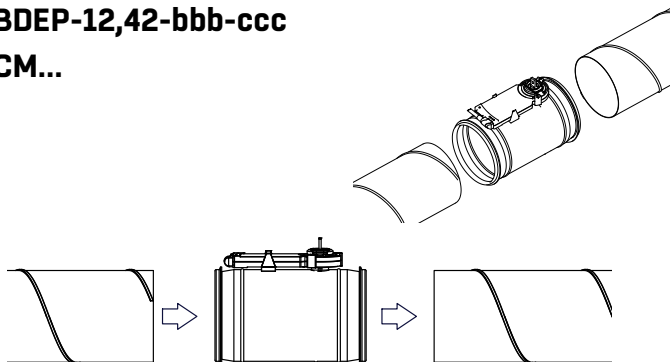


**BDEP-12,42-bbb-ccc**

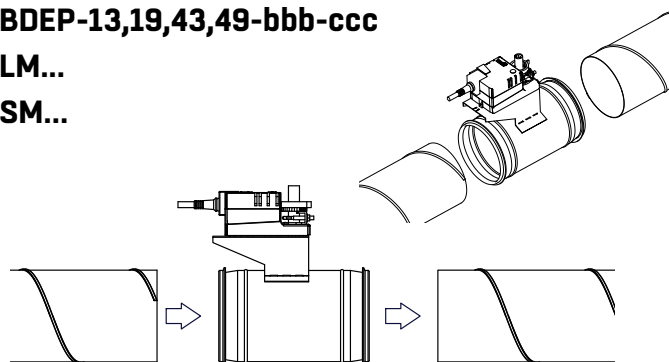
**CM...**



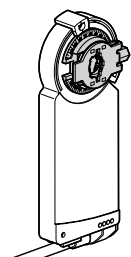
**BDEP-13,19,43,49-bbb-ccc**

**LM...**

**SM...**



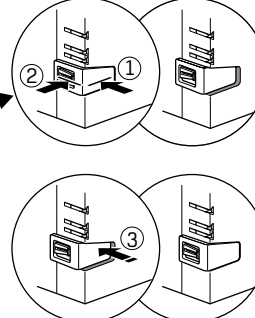
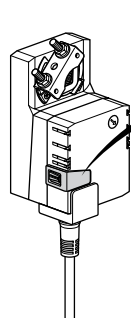
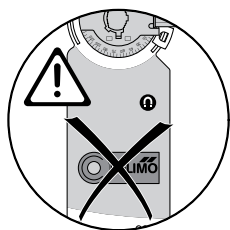
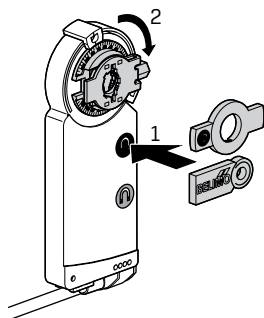
Direction of motion motor



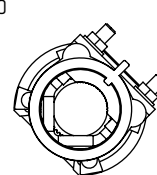
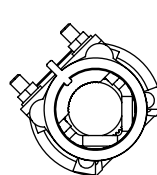
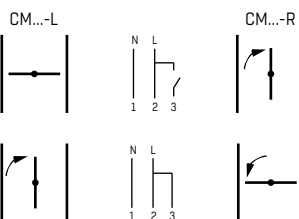
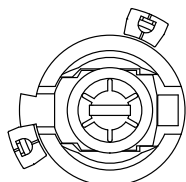
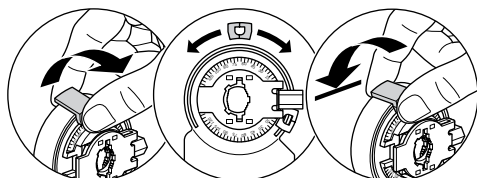
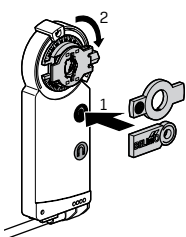
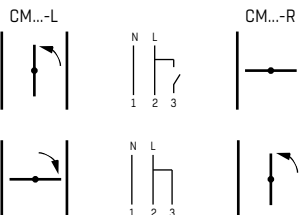
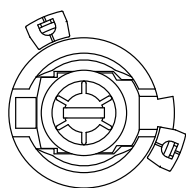
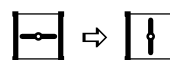
CM...-R (CW)  
?  
CM...-L (CCW)

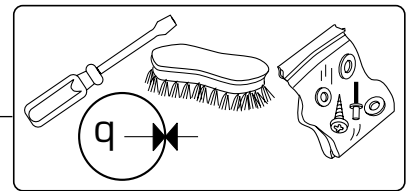


Manual override



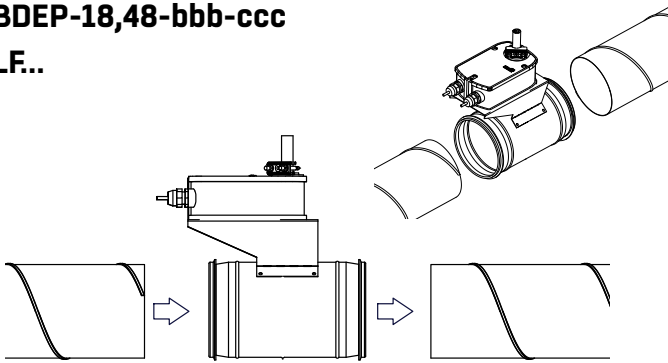
Damper position changing





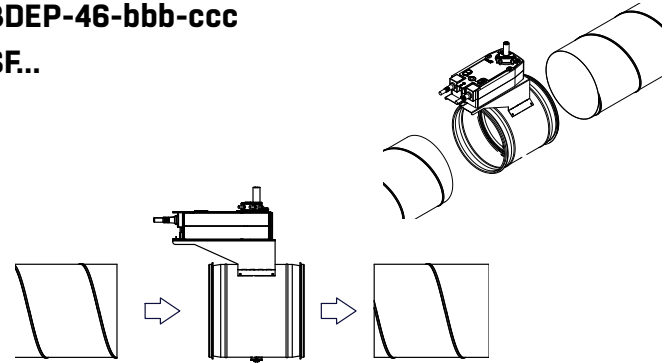
**BDEP-18,48-bbb-ccc**

LF...



**BDEP-46-bbb-ccc**

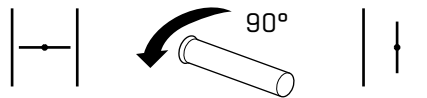
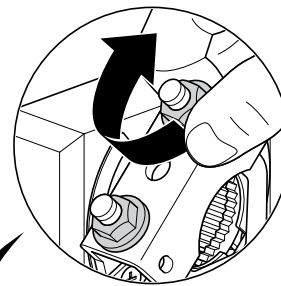
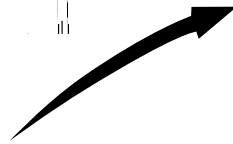
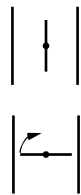
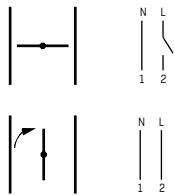
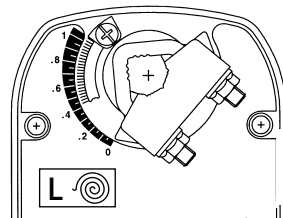
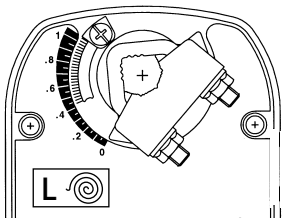
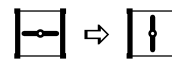
SF...



**BDEP-18,48-bbb-ccc**

LF...

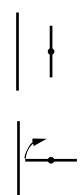
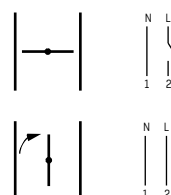
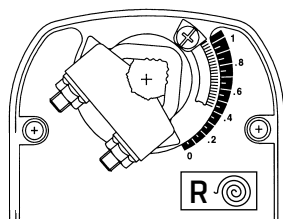
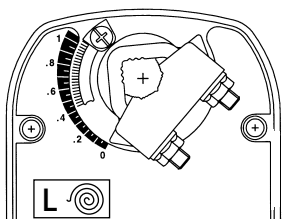
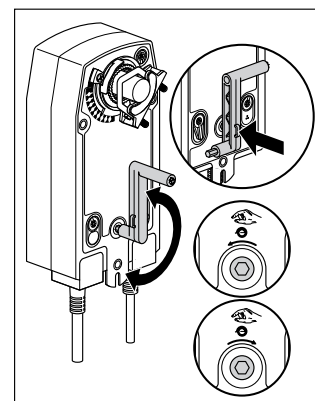
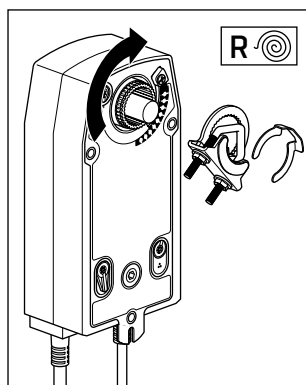
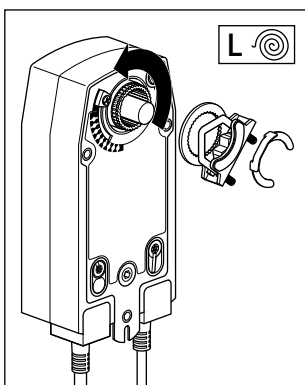
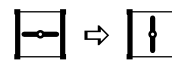
Damper position changing  
Manual override: **NO**



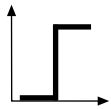
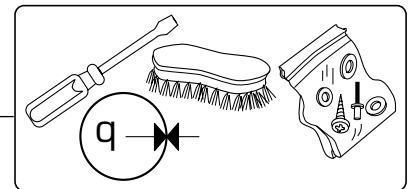
**BDEP-46-bbb-ccc**

SF...

Damper position changing



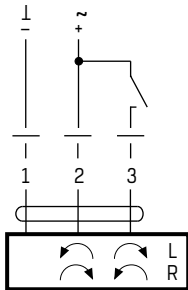
Manual override: by means of hand crank and locking switch



CM...-R  
CM...-L

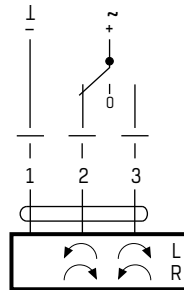
BDEP-12,42-bbb-ccc

AC/DC 24 V, open-close



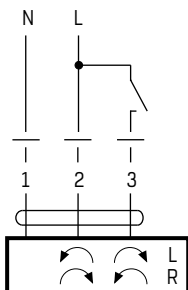
**Cable colours:**  
1 = black  
2 = red  
3 = white

AC/DC 24 V, 3-point



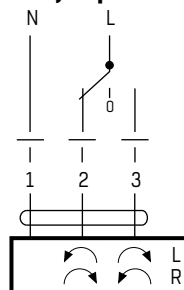
**Cable colours:**  
1 = black  
2 = red  
3 = white

AC/DC 230 V, open-close

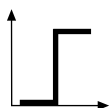


**Cable colours:**  
1 = blue  
2 = brown  
3 = white

AC/DC 230 V, 3-point



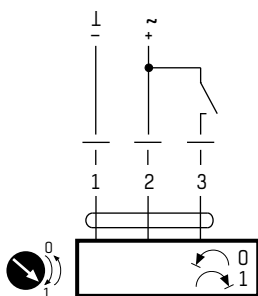
**Cable colours:**  
1 = blue  
2 = brown  
3 = white



LM...A  
SM...A

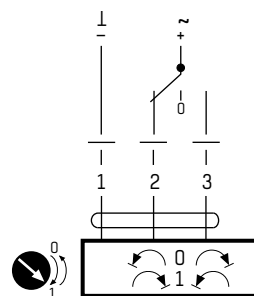
BDEP-13,19,43,49-bbb-ccc

AC/DC 24 V, open-close



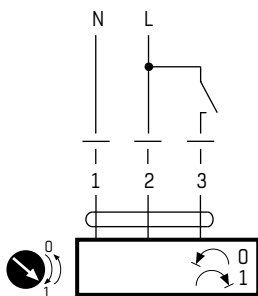
**Cable colours:**  
1 = black  
2 = red  
3 = white

AC/DC 24 V, 3-point



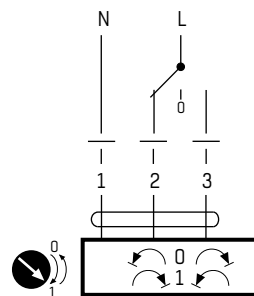
**Cable colours:**  
1 = black  
2 = red  
3 = white

AC/DC 230 V, open-close

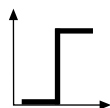
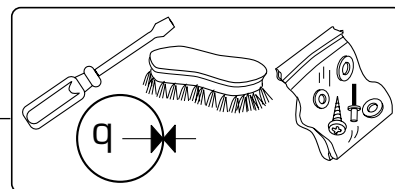


**Cable colours:**  
1 = blue  
2 = brown  
3 = white

AC/DC 230 V, 3-point



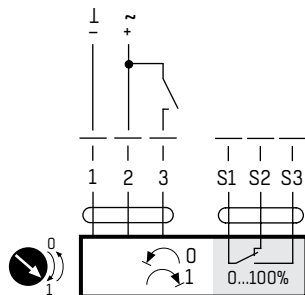
**Cable colours:**  
1 = blue  
2 = brown  
3 = white



LM...A-S  
SM...A-S

BDEP-13,19,43,49-bbb-ccc-S

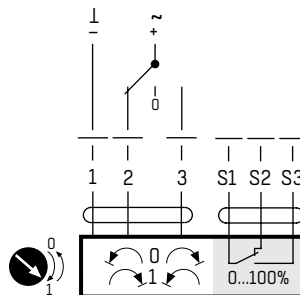
AC/DC 24 V, open-close



Cable colours:

- 1 = black
- 2 = red
- 3 = white
- S1 = violet
- S2 = red
- S3 = white

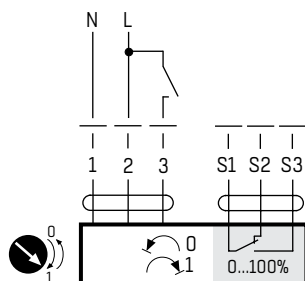
AC/DC 24 V, 3-point



Cable colours:

- 1 = black
- 2 = red
- 3 = white
- S1 = violet
- S2 = red
- S3 = white

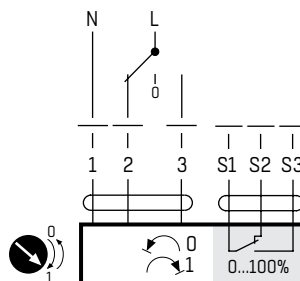
AC/DC 230 V, open-close



Cable colours:

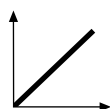
- 1 = blue
- 2 = brown
- 3 = white
- S1 = violet
- S2 = red
- S3 = white

AC/DC 230 V, 3-point



Cable colours:

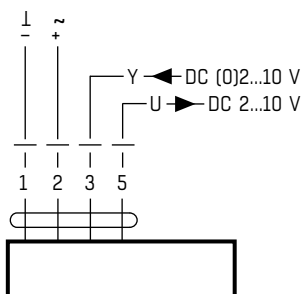
- 1 = blue
- 2 = brown
- 3 = white
- S1 = violet
- S2 = red
- S3 = white



LM...A-SR  
SM...A-SR

BDEP-13,19,43,49-bbb-ccc-SR

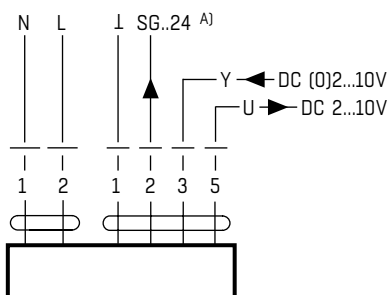
AC/DC 24 V, modulating



Cable colours:

- 1 = black
- 2 = red
- 3 = white
- 5 = orange

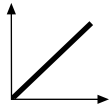
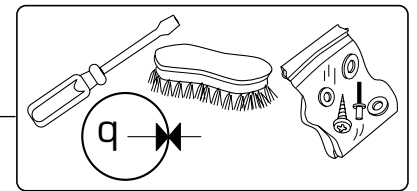
AC/DC 230 V, modulating



A) Auxiliary supply only for positioner SG..24

Cable colours:

- 1 = blue
- 2 = brown
- 1 = black
- 2 = red
- 3 = white
- 5 = orange

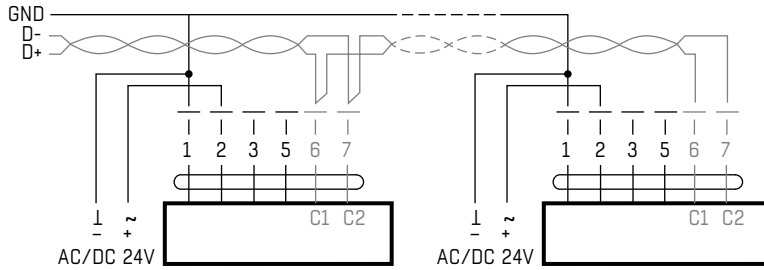


LM...A-MOD  
SM...A-MOD

BDEP-13,19,43,49-bbb-ccc-MOD



**BACnet MS/TP / Modbus RTU**



**Cable colours:**

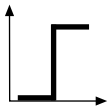
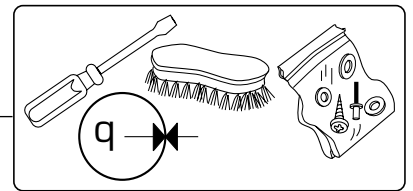
- 1 = black
- 2 = red
- 3 = white
- 5 = orange
- 6 = pink
- 7 = grey

BACnet / Modbus signal assignment

- C1 = D- = A
- C2 = D+ = B

More connection details:

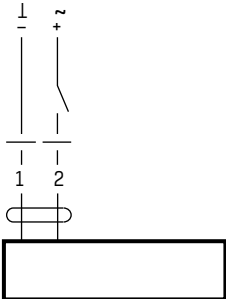
- with passive sensor, e.g. Pt1000, Ni1000, nTC;
  - with active sensor, e.g. 0...10 V @ 0...50°C
  - with switching contact, e.g. Δp monitor
  - Modbus RTU / BACnet MS/TP with analogue setpoint (hybrid mode)
  - Operation on the MP-Bus
- on [www.belimo.com](http://www.belimo.com).



LF...  
SF...A

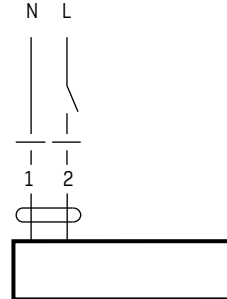
BDEP-18,46,48-bbb-ccc

AC/DC 24 V, open-close

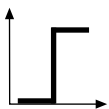


**Cable colours:**  
1 = black  
2 = red

AC/DC 230 V, open-close



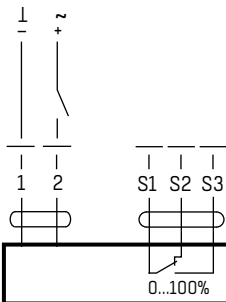
**Cable colours:**  
1 = blue  
2 = brown



LF...S

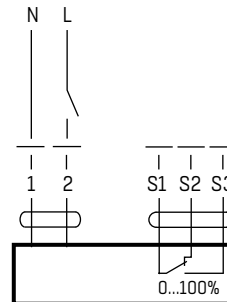
BDEP-18,48-bbb-ccc-S

AC/DC 24 V, open-close

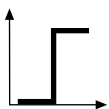


**Cable colours:**  
1 = black  
2 = red  
S1 = white  
S2 = white  
S3 = white

AC/DC 230 V, open-close



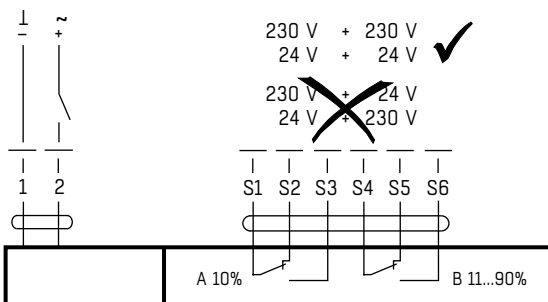
**Cable colours:**  
1 = blue  
2 = brown  
S1 = white  
S2 = white  
S3 = white



SF24A-S2

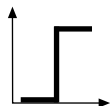
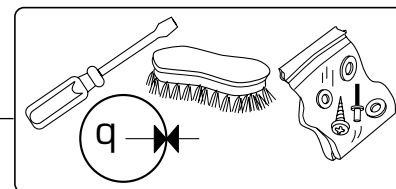
BDEP-46-bbb-024-S

AC/DC 24 V, open-close



230 V + 230 V  
24 V + 24 V ✓  
~~230 V + 24 V~~  
~~24 V + 230 V~~

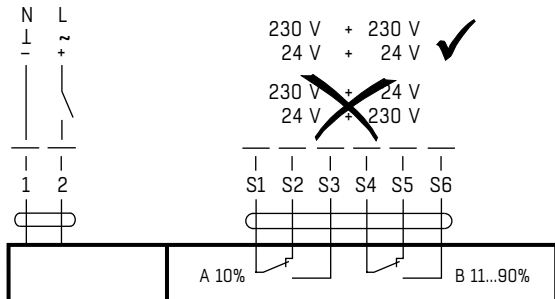
**Cable colours:**  
1 = black  
2 = red  
S1 = violet  
S2 = red  
S3 = white  
S4 = orange  
S5 = pink  
S6 = grey



SFA-S2

BDEP-46-bbb-230-S

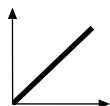
AC 24...240 V / DC 24...125 V, open-close



230 V + 230 V ✓  
 24 V + 24 V ✓  
~~230 V + 24 V~~  
~~24 V + 230 V~~

**Cable colours:**

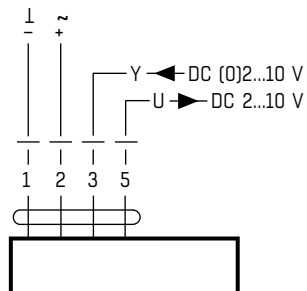
- 1 = blue
- 2 = brown
- S1 = violet
- S2 = red
- S3 = white
- S4 = orange
- S5 = pink
- S6 = grey



LF24A-SR  
 SF24A-SR

BDEP-18,46,48-bbb-024-SR

AC/DC 24 V, modulating



**Cable colours:**

- 1 = black
- 2 = red
- 3 = white
- 5 = orange

