



CA Series I Damper Actuator 2 Nm / 5 Nm

2 Point and 3 Point Control



PRODUCT FEATURES

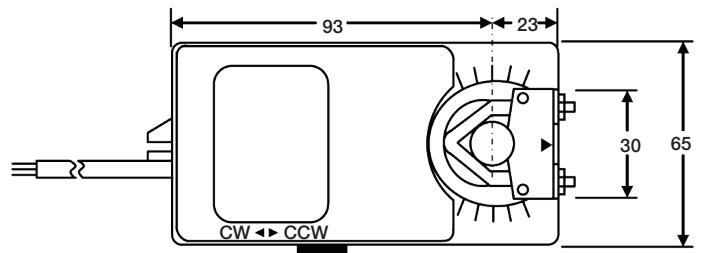
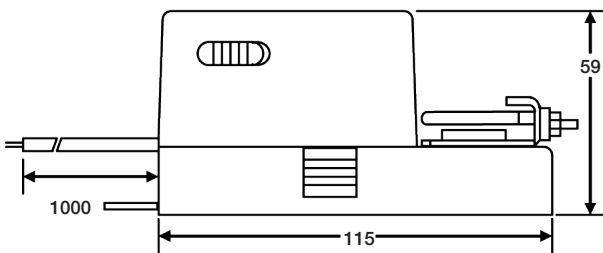
- Torque 2 Nm / 5 Nm
- Damper size 0.4 m² / 1.0 m²
- Power Supply AC/DC 24 V and AC 230 V
- Control 2 Point and 3 Point
- 1 adjustable auxiliary switch (SPDT)
- Shaft dimensions
 - Ø 6 to 15 mm round / □ 5 to 10.5 mm square
- Selectable direction of rotation
- Minimum shaft length 40 mm
- Selectable direction of rotation
- Adjustable angle of rotation
- Actuator with 1000 mm cable connection
- Customer version on request

MODEL SELECTION TABLE

Torque	Running Time	Power Supply	Auxiliary Switch	Model / Type
2 Nm	60...90 sec	AC/DC 24 V ± 10%	No	02CA - 24
2 Nm	60...90 sec	AC/DC 24 V ± 10%	1 x SPDT	02CA - 24S1
2 Nm	60...90 sec	AC 230 V ± 10%	No	02CA - 230
2 Nm	60...90 sec	AC 230 V ± 10%	1 x SPDT	02CA - 230S1
5 Nm	70...100 sec	AC/DC 24 V ± 10%	No	05CA - 24
5 Nm	70...100 sec	AC/DC 24 V ± 10%	1 x SPDT	05CA - 24S1
5 Nm	70...100 sec	AC 230 V ± 10%	No	05CA - 230
5 Nm	70...100 sec	AC 230 V ± 10%	1 x SPDT	05CA - 230S1

CA Series I Damper Actuator 2 Nm / 5 Nm

2 Point and 3 Point Control



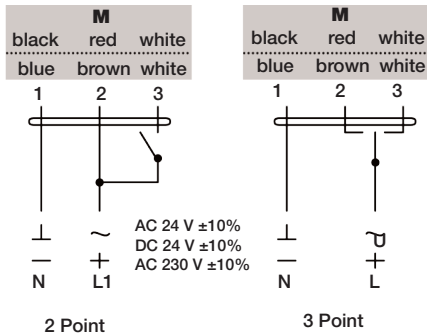
TECHNICAL SPECIFICATION

	02/05 CA... 24(S1)	02/05 CA... 230(S1)
Torque	2 Nm / 5 Nm	
Damper Size	0.4 m ² / 1.0 m ²	
Shaft dimensions	Ø 6 to 15 mm round / □ 5 to 12 mm square	
Power Supply	AC/DC 24 V ± 10%	AC 230 V ± 10%
Frequency	50...60Hz	
Control Signal	2 point and 3 point	
Power Consumption		
- Operating	2.0 W	
- At the end stops	2.0 W	
For Wire Sizing	4.0 VA	
Auxiliary Switches Rating (Amp and Voltage)	3 (1.5) A, AC 250 V	
Protection Class	III ⬡ II □	
Angle of Rotation	90° (95° mechanical)	
Angle of Limiting	0°...90° (max. 0°...30° / 60°...90°)	
Weight	< 0.7 kg	
Life Cycle	60,000 rotation	
Sound Level	40 dB	
IP Protection	IP54 (dust protected & protected against splash water)	
Operating Temperature	-20°...50° as per IEC 721-3-3	
Non-Operating Temperature	-30°...+60° C / IEC 721-3-2	
Ambient Humidity	5%...95% rH non condensing / EN	
Maintenance	Maintenance free	
Mode of Operation	Type I / EN 60730-1	
EMC	CE and ISO 9000 EN / EEC... Requirements	

CA Series | Damper Actuator 2 Nm / 5 Nm

2 Point and 3 Point Control

Wiring Diagram 02/05 CA...(S1) Power Supply AC/DC 24 V - AC 230 V

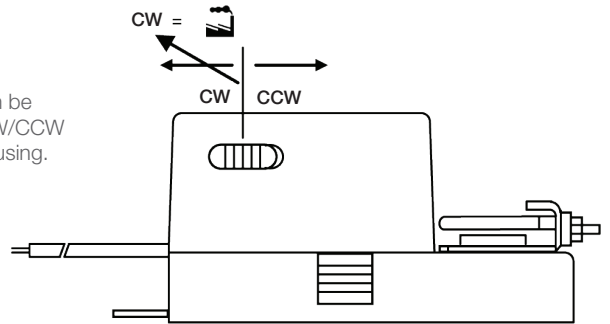


⚠ Connect via safety isolating transformer

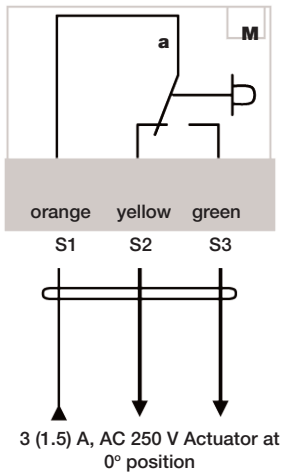
Changing Direction of Rotation 02/05 CA...(S1)

Factory-set CW!

The direction of rotation can be changed by pushing the CW/CCW switch on the actuator's housing.



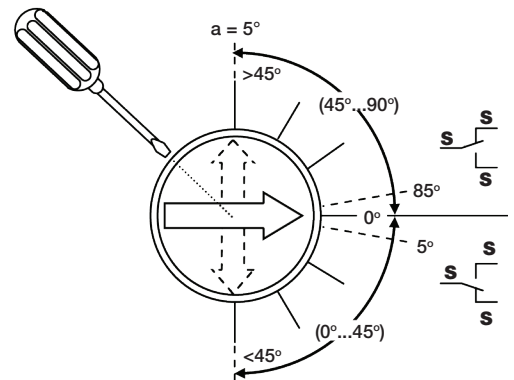
Wiring Diagram 02/05 CA...(S1) Auxiliary Switch



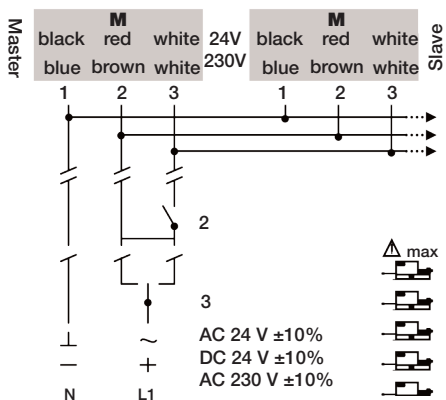
Adjustment of Auxiliary Switch 02/05 CA...(S1)

Switch a factory-set at 5°

The auxiliary switch can be optimally adjusted between 0°...90°.



Wiring Diagram 02/05 CA...(S1) Parallel Connection



Remark

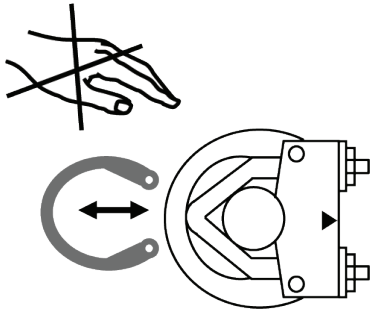
Parallel connection of several 02/05 CA...(S1) actuators is possible. The power consumption must be observed.

CA Series I Damper Actuator 2 Nm / 5 Nm

2 Point and 3 Point Control

Releasing the Adapter 02/05 CA...(S1)

Releasing the adapter is not required and not necessary.

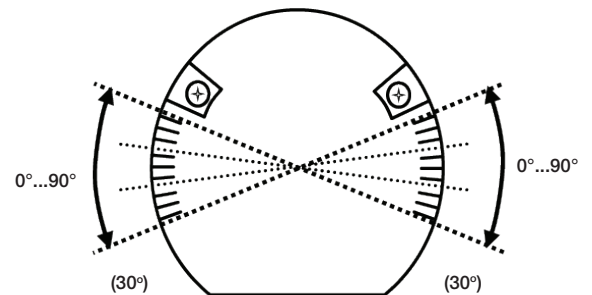
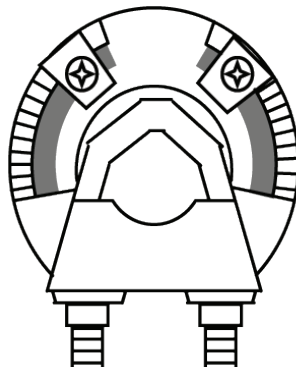


Limiting Angle of Rotation 02/05 CA...(S1)

Adjustment of Mechanical Limiter

1. Loosen screw of mechanical limiter
2. Move limiter to appropriate position *
3. Tighten screw

* Working range of 90° can be reduced up to 30° from each end position.



This actuator includes electrical and electronic components and may not be disposed as household garbage. Please consider the local valid legislation.



AC / DC 24 V: Connect via safety isolating transformer.

AC 230 V: To isolate from the main power supply, the system must incorporate a device which disconnects the phase conductor (with at least a 3 mm contact gap).