

Electric actuator type CS Quick
< 1 Second spring return actuator 5/10/15Nm, IP66
 Three adjustable running times ≤10...30 sec.

ELODRIVE-Actuators are intended to be used for the operation of dampers, valves and other process control elements.

In case of power supply interruption the fail safe actuator type CS Quick ensures the opening or closing of control elements by spring, for e.g. safety applications **during one second**.



Motor and Gear Concept

- Brushless DC-Motor
- Selectable direction of rotation
- High effectiveness
- Over heating protection
- Intelligent heating mode, up to -40°C with full torque
- Constant running time independent of load
- Quiet operation
- 100% self-locking
- 100% block proofed
- life time 5000 cycles free off load
- Adjustable opening angle between 60°...90° ◀

Control Concept

- No return voltage
- Optimized power consumption for the running- and holding-mode

Housing Concept

- Material PC (LEXAN), UV-stabilized
- Housing protection IP66
- Direct mounting even in limited spaces
- Fixing of the actuator can be achieved with the anti-rotation strap or by using additional screws

Operation Concept

- Simple one-handed adjustment
- Functional test via external switch
- Three running times, adjustable from exterior
- Self-diagnostic and running mode display with two LEDs visible from the outside
- Internal memory storage for operating conditions, read out by factory

Adaptation Concept

- Centric fastening clamp adapter
- Form fit adapter on request

Options

- ELOTURN mounting tool*
- Additional auxiliary switch*
- Different voltage and types on request



Torque	Nominal voltage	Type	max power consumption
On/Off			
5 Nm	24 V AC/DC	CSQP-05A1E	max. 70 VA / 62 W
5 Nm	120/230 V AC	CSQP-05A2E	max. 63 VA / 59 W
10 Nm	24 V AC/DC	CSQP-10A1E	max. 91 VA / 76 W
10 Nm	120/230 V AC	CSQP-10A2E	max. 80 VA / 73 W
15 Nm	24 V AC/DC	CSQP-15A1E	max.104 VA / 80 W
15 Nm	120/230 V AC	CSQP-15A2E	max. 83 VA / 74 W

Supported by:



on the basis of a decision by the German Bundestag

Scope of delivery

- Integrated position indication
- Allen key
- Cable clip



- Centric clamp adapter



- Anti-rotation strap

Options

- Form fit adapter on request



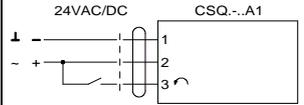
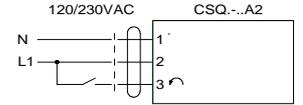
- Position indicator

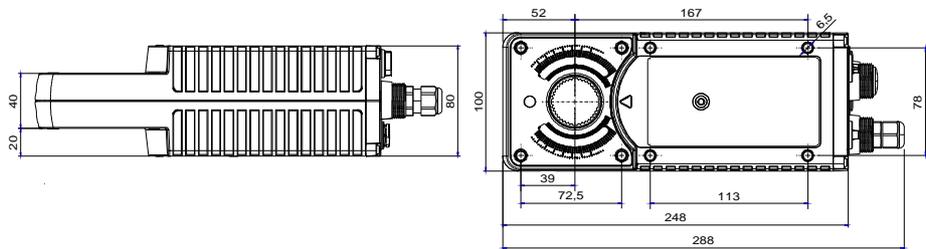
Applications



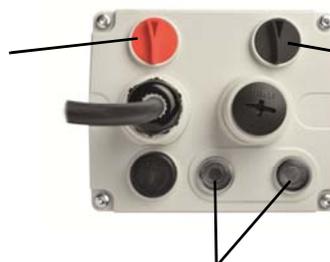
Industrial + Offshore

Technical Data Electric Actuator Type CSQP

Characteristics	24 V	120/230 V
Nominal voltage	AC/DC 24 V +/- 10% 50/60 Hz	100...240 V AC -10% +5% 50/60 Hz
Protection degree	III (SELV) safety low voltage	II protection insulated
Starting current	Max. 5 A / 15ms	
Actuator features at 24 V and 120/230 V connection voltage		
Running time by spring	<1s	
Guaranteed lifetime	5000 cycles	
Power consumption	approx. 6 W holding mode, approx. 15 W heating mode	
Angle of rotation	Max. 95° ↙	
Torque	5, 10, 15 Nm	
Shaft mounting	12 - 26 mm ∅	
Running time	5 / 10/ 30s	10/ 20/ 30s
Duty cycles	1 cycle / hour, recommended	
Ambient temperature	-40 to +50°C	
Storage temperature	-40 to +60°C	
Position indication	Mechanical	
Ambient humidity	95% rH	
Function	Type 1 according to DIN EN 60730-1	
Protection	IP 66	
Norm conformity	DIN EN 60730-1, DIN EN 60730-2-14	
Weight	Approx. 3000 g (depends on version)	
Maintenance	Maintenance free	
Conformity	 The actuator meets the requirements of the Electromagnetic Compatibility Directive (2014/30/EU), the Low Voltage Directive (2014/35/EU) and the harmonized standards and bears the CE-label.	
On/Off		
Connection cable	3x0,75 mm ² , 0,9 m length	
Wiring schematics	 	
On/Off		



Switch:
On/Off and
function test



Switch:
Running time

Operation signals

ELODRIVE
Control Technologies

ELODRIVE GmbH
Nussbaumweg 23
D-51503 Rösrath

info@elodrive.de
www.elodrive.de

Subject to modifications
03/2016
Item No.: 14-03527