SIEMENS

7814

Actuators for air and gas dampers

SQM45...
SQM48...

Electromotoric actuators

- **Torques:** **– SQM45... up to 3 Nm**
  – SQM48... up to 20 Nm
  – SQM48.6... up to 35 Nm
- **Running times: [1)]** **– SQM45... 10 ... 120 s**
  – SQM48... 30 ... 120 s
  – SQM48.6... 60 ... 120 s
  [1)] Depending on the type of basic unit (LMV5...)
- **Versions:** **– Choice of drive shafts (refer to «Type summary»)**

The actuators SQM45... / SQM48... and this Data sheet are intended for use by OEMs which integrate the actuators in their products!

Use

The SQM45 / SQM48 actuators are suited for driving oil pressure controllers, butterfly valves, dampers or for use on other applications that require rotary motion.
Areas of application are oil and gas burners of medium to larger capacity, as well as thermal process plants.

The actuators are used primarily for the load-dependent control of the gas flow, oil volume and combustion air volume in connection with the electronic ratio control LMV5.

Technical data

Actuator	Operating voltage	AC 2 x 12 V via bus cable from the basic unit or via a separate transformer
	Drive motor	Stepper motor
	Power consumption	
	- SQM45...	9...15 VA
	- SQM48...	26...34 VA
	Angular adjustment	Max. 90°
	Mounting position	Optional
	Degree of protection	To EN 60529, IP54, provided adequate cable entries are used
	Safety class	III according to DIN EN 60730 part 1 and part 2-14
	External overload fuse	Max. 4 AT (slow) to DIN EN 60127-2/5
	Cable entry	SQM45... / SQM48...: Insertable threaded cable glands for 2 x M16
	Direction of rotation (when facing the shaft)	
	- Standard	Counterclockwise
	- Reverse	Clockwise
	Torques and holding torques	Refer to «Type summary»
	Running times	Refer to «Type summary» (can be selected on the basic unit)
	Drive shaft	Supplied as standard, not replaceable
	Weight	
	- SQM45...	Approx. 1 kg
	- SQM48...	Approx. 1.6 kg
	Temperature of the mounting surface	Max. 60 °C

Dimensions

Dimensions in mm

SQM45... / SQM48...