

**Damper Actuators without emergency function.**  
**Standard Actuators**



|                                    | CM   | TM..A <sup>2)</sup> | LM..A <sup>2)</sup> | NM..A <sup>2)</sup> | SM..A <sup>2)</sup> | GM..A <sup>2)</sup> |
|------------------------------------|--|---------------------|---------------------|---------------------|---------------------|---------------------|
|                                    | 2 Nm   | 2 Nm                | 5 Nm                | 10 Nm               | 20 Nm               | 40 Nm               |
|                                    |  |                     |                     |                     |                     |                     |
| For air damper sizes up to approx. | 0.4 m <sup>2</sup>   | 0.4 m <sup>2</sup>  | 1 m <sup>2</sup>    | 2 m <sup>2</sup>    | 4 m <sup>2</sup>    | 8 m <sup>2</sup>    |
| <b>Open-close actuators</b>        |  |                     |                     |                     |                     |                     |
| <b>AC/DC 24 V</b>                  | CM24-L   | TMC24A              | LM24A               | NM24A               | SM24A               | GM24A               |
| with auxiliary switch, 1 x SPDT    |  | TMC24A-S            | LM24A-S             | NM24A-S             | SM24A-S             |                     |
| <b>AC 230 V</b>                    | CM230-L  | TMC230A             | LM230A              | NM230A              | SM230A              | GM230A              |
| with auxiliary switch, 1 x SPDT    |  | TMC230A-S           | LM230A-S            | NM230A-S            | SM230A-S            |                     |
| <b>Modulating actuators</b>        |  |                     |                     |                     |                     |                     |
|                                    | Control Signal Y: DC 0...10 V, 100 kΩ / Position feedback DC 2...10 V, max. 1 mA |                     |                     |                     |                     |                     |
| <b>AC/DC 24 V</b>                  | CM24-SR-L  | TMC24A-SR           | LM24A-SR            | NM24A-SR            | SM24A-SR            | GM24A-SR            |
| <b>AC 230 V</b>                    |  | TMC230ASR           | LM230ASR            | NM230ASR            | SM230ASR            |                     |
| <b>Parameterisable actuators</b>   |  |                     |                     |                     |                     |                     |
|                                    | parameterisable <sup>1)</sup>  |                     |                     |                     |                     |                     |
| <b>AC/DC 24 V</b>                  |  |                     | LM24A-MF            | NM24A-MF            | SM24A-MF            | GM24A-MF            |
| <b>Technical data</b>              |  |                     |                     |                     |                     |                     |
| <b>Damper spindle</b>              | 6... 12.7 mm   | 6... 20 mm          | 6... 20 mm          | 8... 26.7 mm        | 10... 20 mm         | 12... 26.7 mm       |
| <b>Running time</b>                | 150 s / 90° ◀  |                     |                     |                     |                     |                     |
| <b>Manual override</b>             | Gear disengagement with push button, can be locked.                              |                     |                     |                     |                     |                     |
| <b>Connection</b>                  | Cable 1 m / Terminals  |                     |                     |                     |                     |                     |
| <b>Direction of rotation</b>       | Selectable with switch   |                     |                     |                     |                     |                     |
| <b>Angle of rotation</b>           | Max. 95° ◀, can be limited at both ends with adjustable mechanical end stops.    |                     |                     |                     |                     |                     |
| <b>Position indication</b>         | Mechanical, pluggable  |                     |                     |                     |                     |                     |
| <b>Sound power level</b>           | ≤35 dB(A) @ 150 s  |                     |                     |                     | ≤45 dB(A) @ 150 s   |                     |
| <b>Degree of protection</b>        | IP 54  |                     |                     |                     |                     |                     |
| <b>EMC</b>                         | CE according to 2004/108/EC  |                     |                     |                     |                     |                     |
| <b>Ambient temperature</b>         | -30...+50°C  |                     |                     |                     |                     |                     |
| <b>Non-operating temperature</b>   | -40...+80°C  |                     |                     |                     |                     |                     |
| <b>Ambient humidity</b>            | 95% r.h., non-condensating   |                     |                     |                     |                     |                     |

<sup>1)</sup> Control, operating range, position feedback, running time and further functions are parameterisable with PC-Tool or with the parameterising device ZTH-GEN.

<sup>2)</sup> Actuator types **with** extension «-TP» with terminal connection  
 Actuator types **without** extension «-TP» with cable connection

Other versions on request.

