

## Technical data Linear actuators for modulating duty

| Type      | Stroke       | Operating force | Motor protection <sup>1)</sup> | Valve attachment                    | Trapezoidal thread | Positioning speed <sup>2)</sup> | Weight          |
|-----------|--------------|-----------------|--------------------------------|-------------------------------------|--------------------|---------------------------------|-----------------|
|           | Max.<br>[mm] | [kN]            |                                | Standard<br>EN ISO 5210<br>DIN 3210 |                    | [mm/min]                        | approx.<br>[kg] |
| SBA 06-1  | 35           | 0.6             | B                              | F05                                 | 8 x 1,5            | 8                               | 2.1             |
| SBA 06-2  |              | 0.9             | B                              | F05                                 | 8 x 1,5            | 10                              |                 |
| SBA 06-3  |              | 1.2             | B                              | F05                                 | 8 x 1,5            | 13.2                            | 2.1             |
| SBA 06-4  | 35           | 2.0             | B                              | F05                                 | 10 x 2             | 16                              | 2.1             |
| SBA 12    | 75           | 1.2             | B                              | F05                                 | 14 x 3             | 20                              | 2.1             |
| SBA 20    | 75           | 2.0             | B                              | F05                                 | 14 x 3             | 8                               | 8.0             |
| SBA 45-2  | 75           | 3.5             | B                              | F05                                 | 14 x 3             | 25                              | 8.0             |
| SBA 45-3  | 75           | 4.5             | B                              | F05                                 | 14 x 3             | 50                              |                 |
| SBA 45-4  | 75           | 6.0             | B                              | F05                                 | 14 x 3             | 25                              | 8.0             |
| SBA 80-1  | 80           | 6.0             | B                              | G0                                  | 20 x 4             | 17                              |                 |
| SBA 80-2  |              | 8.0             | B                              | G0                                  | 20 x 4             | 34                              | 13              |
| SBA 80-3  |              | 12              | T                              | G0                                  | 20 x 4             | 13.5                            | 13              |
| SBA 80-4  | 80           | 15              | B                              | G0                                  | 20 x 4             | 22                              | 13              |
| SBA 200-1 | 100          | 15              | B                              |                                     |                    | 40                              |                 |
| SBA 200-2 |              | 20              | T                              |                                     |                    | 15                              | 19              |
| SBA 200-3 | 100          | 25              | T                              | G0                                  | 26 x 5             | 25                              | 19              |

## General information

Linear actuators for modulating and open-close automation

## Notes on table

- 1) Motor protection B = stall-proof motor (S1 - 100 %), T = thermoswitch for temperature monitoring
- 2) 50 Hz For 60 Hz, operating times and power consumption increase by 20 %

## Features and functions of actuator

|              |                                       |                                                                                                                                                                                                                       |
|--------------|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of duty | Modulating duty:                      | Intermittent duty S3 - 50 %, with maximum number of starts of 600 starts per hour<br>Intermittent duty S1 - 100 %, with maximum number of starts of 1,200 starts per hour;<br>not available for all versions (option) |
| Motor        | Synchronous motor, asynchronous motor |                                                                                                                                                                                                                       |

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|                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------------------------------------------------------------------------------|-------------|------|----------------------|----|----------------|-----|------------|--------------------|----------|----------|------|---------------|----------------------|--|--|--------|--|----------------------|-----|-------------|--|----------|----------------------|----------------|----|----------|--|--------------------------------------------|-----|-----|-----|-----|------|----|----|-----|-----|----|----|--------------|----|-----------|----|---------------------------------------------|----|----|----|
| Mains voltage, mains frequency                                                                                                 | Standard voltages:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | <table><tr><td colspan="5">1-phase AC current</td></tr><tr><td colspan="5">Voltages/frequencies</td></tr><tr><td>Volt</td><td>230</td><td colspan="3">220</td></tr><tr><td>Hz</td><td>50</td><td colspan="3">60</td></tr></table>                                                                                                                                                                                                                                                                                                                                                               |           |                                                                                  |             |      |                      |    |                |     |            | 1-phase AC current |          |          |      |               | Voltages/frequencies |  |  |        |  | Volt                 | 230 | 220         |  |          | Hz                   | 50             | 60 |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | 1-phase AC current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | Voltages/frequencies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | Volt                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 230       | 220                                                                              |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50        | 60                                                                               |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | Options:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | <table><tr><td colspan="5">3-phase AC current</td><td colspan="5">1-phase AC current</td></tr><tr><td colspan="5">Voltages/frequencies</td><td colspan="5">Voltages/frequencies</td></tr><tr><td>Volt</td><td>380</td><td>400</td><td>400</td><td>440</td><td>Volt</td><td>24</td><td>24</td><td>115</td><td>110</td></tr><tr><td>Hz</td><td>50</td><td>50</td><td>60</td><td>60</td><td>Hz</td><td>50</td><td>60</td><td>50</td><td>60</td></tr></table>                                                                                                                                       |           |                                                                                  |             |      |                      |    |                |     |            | 3-phase AC current |          |          |      |               | 1-phase AC current   |  |  |        |  | Voltages/frequencies |     |             |  |          | Voltages/frequencies |                |    |          |  | Volt                                       | 380 | 400 | 400 | 440 | Volt | 24 | 24 | 115 | 110 | Hz | 50 | 50           | 60 | 60        | Hz | 50                                          | 60 | 50 | 60 |
|                                                                                                                                | 3-phase AC current                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                  |             |      | 1-phase AC current   |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | Voltages/frequencies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                  |             |      | Voltages/frequencies |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Volt                                                                                                                           | 380                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 400       | 400                                                                              | 440         | Volt | 24                   | 24 | 115            | 110 |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Hz                                                                                                                             | 50                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 50        | 60                                                                               | 60          | Hz   | 50                   | 60 | 50             | 60  |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| <table><tr><td colspan="2">DC current</td></tr><tr><td colspan="2">Voltages</td></tr><tr><td>Volt</td><td>24</td></tr></table> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     | DC current |                    | Voltages |          | Volt | 24            |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| DC current                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Voltages                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Volt                                                                                                                           | 24                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Permissible variation of mains voltage: ±10 %                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Permissible variation of mains frequency: ±5 %                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Further supply voltages on request                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Motor protection                                                                                                               | Stall-proof motor or thermoswitch for temperature monitoring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Heater (option)                                                                                                                | Heating resistor with thermoswitch against moisture with automatic temperature control, max. 15 Watt, supply voltage 24, 115, 230 V/50/60 Hz [HZ/WP]                                                                                                                                                                                                                                                                                                                                                                                                                                            |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Cable entry                                                                                                                    | <table><tr><td colspan="2">SBA 06-1/-2/-3</td><td colspan="2">SBA 06-4</td></tr><tr><td colspan="4">3 x M16 x 1.5</td></tr></table><br><table><tr><td colspan="2">SBA 12</td><td colspan="2">SBA 20</td><td colspan="2">SBA 45-2/-3</td><td colspan="2">SBA 45-4</td><td colspan="2">SBA 80-1/-2/-3</td><td colspan="2">SBA 80-4</td></tr><tr><td colspan="12">2 x M16 x1.5 and 1 blanking plug M16 x 1.5</td></tr></table><br><table><tr><td colspan="2">SBA 200-1/-2</td><td colspan="2">SBA 200-3</td></tr><tr><td colspan="4">2 x M20 x 1.5 and 1 blanking plug M20 x 1.5</td></tr></table> |           |                                                                                  |             |      |                      |    |                |     |            | SBA 06-1/-2/-3     |          | SBA 06-4 |      | 3 x M16 x 1.5 |                      |  |  | SBA 12 |  | SBA 20               |     | SBA 45-2/-3 |  | SBA 45-4 |                      | SBA 80-1/-2/-3 |    | SBA 80-4 |  | 2 x M16 x1.5 and 1 blanking plug M16 x 1.5 |     |     |     |     |      |    |    |     |     |    |    | SBA 200-1/-2 |    | SBA 200-3 |    | 2 x M20 x 1.5 and 1 blanking plug M20 x 1.5 |    |    |    |
| SBA 06-1/-2/-3                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SBA 06-4  |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| 3 x M16 x 1.5                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| SBA 12                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SBA 20    |                                                                                  | SBA 45-2/-3 |      | SBA 45-4             |    | SBA 80-1/-2/-3 |     | SBA 80-4   |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| 2 x M16 x1.5 and 1 blanking plug M16 x 1.5                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| SBA 200-1/-2                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | SBA 200-3 |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| 2 x M20 x 1.5 and 1 blanking plug M20 x 1.5                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Manual operation                                                                                                               | Handwheel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Electrical connection                                                                                                          | Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           | Internal terminal rail, for terminal assignment refer to terminal plan           |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
|                                                                                                                                | Option:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           | 10-pole compact plug silver/24-pole with additional compartment at actuator [KS] |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |
| Local controls (option)                                                                                                        | Local controls with MANUAL/AUTO change-over. Push button for directions OPEN and CLOSE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                                                                                  |             |      |                      |    |                |     |            |                    |          |          |      |               |                      |  |  |        |  |                      |     |             |  |          |                      |                |    |          |  |                                            |     |     |     |     |      |    |    |     |     |    |    |              |    |           |    |                                             |    |    |    |

| Features and functions of actuator controls |                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End position seating                        | Standard:                                                                                                       | 2 load-dependent switches, 250 V AC <ul style="list-style-type: none"> <li>Switching capacity for resistive load, max. 5 A, for inductive load, max. 3 A (SBA 06 – SBA 45)</li> <li>Switching capacity for resistive load, max. 10 A, for inductive load, max. 5 A (SBA 80 – SBA 200)</li> </ul>                                                                                                                                                                                                                                                                                                              |
|                                             | Options:                                                                                                        | <ul style="list-style-type: none"> <li>Additional limit switches for signalling the end positions or intermediate positions, freely adjustable max. 250 V AC max. 5 A (resistive load), max. 3 A (inductive load), max. 2 switches for SBA 06 – SBA 45 [2WE], max. 4 switches for SBA 80 – SBA 200 [4WE]</li> <li>Additional limit switches for signalling the end positions or intermediate positions, freely adjustable with gold contacts for low voltage, max. 30 V AC, max. 0.1 A (resistive load), max. 2 switches for SBA 06 – SBA 45 [2WE-G], max. 4 switches for SBA 80 – SBA 100 [4WE-G]</li> </ul> |
| Digital inputs                              | Standard:                                                                                                       | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|                                             | Option:                                                                                                         | With 2 inputs (reversing contactors) for OPEN and CLOSE, option for: <ul style="list-style-type: none"> <li>24 V DC; 1.7 W appropriate for PLC [WSE]</li> <li>24 V AC/DC</li> <li>110 V AC</li> <li>230 V AC</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                       |
| Positioner (option)                         | Positioning electronics for actuator control [PEL]<br>Input 0 – 10 V, 0/4 – 20 mA, output 0 – 10 V, 0/4 – 20 mA |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Position feedback signal, analogue (options) | <ul style="list-style-type: none"> <li>Potentiometer 100/130/200/500/1,000/5,000 <math>\Omega</math> or 10 k<math>\Omega</math> [POT]<br/>Linearity fault <math>\leq 0.5\%</math>, max. 1.5 W, wiper current 30 mA, max. 2 units, max. 1 unit for SBA 06</li> <li>Electronic position feedback, 2-/3-/4-wire system [ESR]<br/>Output 0/4 – 20 mA, supply voltage 24 V DC (not possible for SBA 06)</li> <li>Potentiometer tested by TÜV for fails-safe position feedback (also appropriate for Lamtec regulation systems) [C-POT]</li> </ul> |
| Fieldbus (option)                            | Profibus DP-V0 for actuator control in housing IP66 [PBD100]<br>Mounted to actuator with plug/socket connector M12, 5-pole, 2 x M20 cable glands                                                                                                                                                                                                                                                                                                                                                                                             |

| Service conditions                         |                                                                                                                                        |                                                                |
|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
| Mounting position                          | Any position, but not suspended downward                                                                                               |                                                                |
| Installation altitude                      | $\leq 2\,000$ m above sea level<br>$> 2,000$ m above sea level on request                                                              |                                                                |
| Ambient temperature                        | Standard:                                                                                                                              | $-20\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ |
|                                            | Options:                                                                                                                               | $-40\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ |
|                                            | Other options on request                                                                                                               |                                                                |
| Enclosure protection according to EN 60529 | IP43 (SBA 06-1/-2/-3), IP54 (SBA06-4), IP65 (SBA 12 – SBA 200)                                                                         |                                                                |
| Corrosion protection                       | Standard:                                                                                                                              | C2 according to EN ISO 12944-2                                 |
|                                            | Option:                                                                                                                                | C3/C4 according to EN ISO 12944-2                              |
| Coating                                    | Standard:                                                                                                                              | Powder coating                                                 |
|                                            | Option:                                                                                                                                | Special coating for corrosion protection C3/C4                 |
| Colour                                     | Standard:                                                                                                                              | Grey: RAL 7015 (housing)<br>Green: RAL 5021 (hood)             |
|                                            | Option:                                                                                                                                | Available colours on request                                   |
| Lifetime                                   | AUMA linear actuators meet or even exceed the lifetime requirements of EN 15714-2.<br>Detailed information can be provided on request. |                                                                |

| Further information    |                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Inspection certificate | On request                                                                                                                    |
| EU Directives          | Electromagnetic Compatibility (EMC): (2014/30/EU)<br>Low Voltage Directive: (2014/35/EU)<br>Machinery Directive: (2006/42/EC) |
| Reference documents    | Dimensions Linear actuators SBA 06 – SBA 200<br>Electrical data Linear actuators SBA 06 – SBA 200                             |