The following table provides an overview of the rated values, switching performance, lamp loads or the number of lamps, which can be connected to a contact:

<table>
<thead>
<tr>
<th>In rated current (A)</th>
<th>SA/S 4.6.2.1</th>
<th>SA/S 2.6.2.1</th>
<th>SA/S 2.10.2.1</th>
<th>SA/S 2.16.2.1</th>
<th>SA/S 2.16.5.1</th>
<th>SA/S 2.16.6.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 AX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 AX</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16/20 AX C-Load</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC1 operation</td>
<td>6 A</td>
<td>6 A</td>
<td>10 A</td>
<td>16 A</td>
<td>20 A</td>
<td>20 A</td>
</tr>
<tr>
<td>(cos (\phi) = 0.8) DIN EN 60947-4-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC3 operation</td>
<td>6 A</td>
<td>6 A</td>
<td>8 A</td>
<td>16 A</td>
<td>16 A</td>
<td>16 A</td>
</tr>
<tr>
<td>(cos (\phi) = 0.45) DIN EN 60947-4-1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>C-Load switching capacity</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>20 A</td>
<td>20 A</td>
</tr>
<tr>
<td>Fluorescent lighting load</td>
<td>6 A (35 (\mu)F)</td>
<td>6 A (140 (\mu)F)</td>
<td>10 AX (140 (\mu)F)</td>
<td>16 A (70 (\mu)F)</td>
<td>20 AX (200 (\mu)F)</td>
<td>20 AX (200 (\mu)F)</td>
</tr>
<tr>
<td>Minimum switching capacity</td>
<td>10 mA/12 V</td>
<td>100 mA/12 V</td>
<td>100 mA/12 V</td>
<td>100 mA/12 V</td>
<td>100 mA/12 V</td>
<td>100 mA/12 V</td>
</tr>
<tr>
<td>DC current switching capacity</td>
<td>6 A/24 V =</td>
<td>6 A/24 V =</td>
<td>10 A/24 V =</td>
<td>16 A/24 V =</td>
<td>20 A/24 V =</td>
<td>20 A/24 V =</td>
</tr>
<tr>
<td>Mechanical service life</td>
<td>&gt; 10(^7)</td>
<td>&gt; 3 x 10(^8)</td>
<td>&gt; 3 x 10(^8)</td>
<td>&gt; 3 x 10(^8)</td>
<td>&gt; 10(^8)</td>
<td></td>
</tr>
</tbody>
</table>

Electronic endurance to IEC 60947-4-1:
- Rated current AC1 (240 V/0.8): 100,000
- Rated current AC3 (240 V/0.45): 15,000
- Rated current AC5a (240 V/0.45): 15,000

Incandescent lamp load at 230 V AC:
- 1,200 W
- 1,380 W
- 2,500 W
- 2,500 W
- 3,680 W
- 3,680 W

Fluorescent lamp T5 / T8:
- Uncorrected
- Parallel compensated
- DUO circuit

Low-voltage halogen lamps:
- Inductive transformer
- Electronic transformer

Halogen lamp 230 V
- 1,000 W
- 1,380 W
- 2,500 W
- 2,500 W
- 3,680 W
- 3,680 W

Dulux lamps:
- Uncorrected
- Parallel compensated

Mercury-vapour lamps:
- Uncorrected
- Parallel compensated

Sodium-vapour lamps:
- Uncorrected
- Parallel compensated

Max. peak inrush-current \(I_p\) (150 \(\mu\)s):
- 200 A
- 400 A
- 400 A
- 600 A
- 600 A

Max. peak inrush-current \(I_p\) (250 \(\mu\)s):
- 160 A
- 320 A
- 320 A
- 480 A
- 480 A

Max. peak inrush-current \(I_p\) (600 \(\mu\)s):
- 100 A
- 200 A
- 200 A
- 300 A
- 300 A

Number of electronic ballasts (T5/T8, single element):
- 18 W (ABB ballasts 1 x 18 SF)
- 24 W (ABB ballasts 1 x 24 CY)
- 36 W (ABB ballasts 1 x 36 CF)
- 58 W (ABB ballasts 1 x 58 CF)
- 80 W (Helvar EL 1 x 80 SC)
The following table provides an overview of the functions possible with the Switch Actuators and their application programs:

<table>
<thead>
<tr>
<th>Type of installation</th>
<th>SA/S 2.6.2.1</th>
<th>SA/S 2.10.2.1</th>
<th>SA/S 2.16.2.1</th>
<th>SA/S 2.16.5.1</th>
<th>SA/S 2.16.6.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>SA/S 4.6.1.1</td>
<td>SA/S 4.6.2.1</td>
<td>SA/S 4.10.2.1</td>
<td>SA/S 4.16.2.1</td>
<td>SA/S 4.16.5.1</td>
<td>SA/S 4.16.6.1</td>
</tr>
<tr>
<td>SA/S 8.6.1.1</td>
<td>SA/S 8.6.2.1</td>
<td>SA/S 8.10.2.1</td>
<td>SA/S 8.16.2.1</td>
<td>SA/S 8.16.5.1</td>
<td>SA/S 8.16.6.1</td>
</tr>
<tr>
<td>SA/S 12.6.1.1</td>
<td>SA/S 12.6.2.1</td>
<td>SA/S 12.10.2.1</td>
<td>SA/S 12.16.2.1</td>
<td>SA/S 12.16.5.1</td>
<td>SA/S 12.16.6.1</td>
</tr>
</tbody>
</table>

- **Number of outputs:**
  - 4/8/12
  - 2/4/8/12

- **Module width (space unit):**
  - 4/6/8
  - 2/4/8/12

- **Manual operation:**
  - –

- **Contact position display:**
  - –

- **Rated current (A):**
  - 6 A
  - 6 AX
  - 10 AX
  - 16 A
  - 16/20 AX

- **Switch function:**
  - ON/OFF delay
  - Staircase light
  - Warning before end of staircase lighting
  - Staircase lighting time set via object
  - Flashing
  - Switch response can be set (N.O./N.C.)
  - Thresholds

- **Current detection:**
  - –

- **Function Logic:**
  - Logic AND function
  - Logic OR function
  - Logic XOR function
  - Gate function

- **Priority object/forced operation:**
  - –

- **Heating/fan control:**
  - Switch ON/OFF (2 point control)
  - Cyclical fault monitoring
  - Automatic purging
  - Fan Coil control

- **Special functions:**
  - Default position on bus voltage failure/recovery
  - Status messages

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1) = See special ABB i-bus® KNX devices of the HVAC area, e.g. Blower actuator FCL/S or Fan Coil actuator FCA/S.