## Technical specifications

| Data according to EN 60730 | | | 7LQ2 100 | 7LQ2 101 | 7LQ2 102 | 7LQ2 103 | 5TT3 303 |
|---|---|---|---|---|---|---|---|
| **Rated control voltage $U_c$** | | V AC | 230 | | | | |
| **Operating range** | at 50/60 Hz | × $U_c$ | 0.85 ... 1.15 | | | | 0.85 ... 1.1 |
| **Rated frequency** | | Hz | 48 ... 62 | | | | 50 |
| **Measuring ranges, setting ranges** | | Lux | 2 ... 500 | 2 × 2 ... 500 | 2 ... 500 | 2 × 2 ... 500 | 2 ... 2000 |
| **Time delay** | non-adjustable<br>adjustable | s | 75 ± 25<br>no | no<br>2 × 50 ... 100 | 75 ± 25<br>no | no<br>2 × 50 ... 100 | 50<br>no |
| **Contacts** | µ contact | | 1 NO contact | 2 NO contacts | 1 NO contact | 2 NO contacts | 1 NO contact |
| **Contact switching** | closes with approaching darkness | Terminals | 3/4 | 5/6 and 9/10 | 3/4 | 5/6 and 9/10 | no |
| **Status indication, LED** | switching status indication<br>switching state OFF<br>switching state ON | | instantaneous<br>green<br>red | | | | no<br>no<br>no |
| **Rated operational voltage $U_e$** | | V AC | 250 | | | | |
| **Rated operational current $I_s$** | at p.f. = 1<br>at p.f. = 0.4 | A<br>A | 16<br>4 | | | | 10<br>2 |
| **Incandescent lamp load** | | W | 2 000 | 2 × 2 000 | 2 000 | 2 × 2 000 | 1 200 |
| **Different phases** | actuator/contact permissible<br>contact/contact | | yes<br>no | yes<br>yes | yes<br>no | yes<br>yes | no<br>no |
| **Electrical isolations** | creepage and clearances<br>actuator/contact<br>contact/contact | <br>mm<br>mm | <br>4<br>no | <br>4<br>4 | <br>4<br>no | <br>4<br>4 | <br>no<br>no |
| **Rated impulse withstand voltage $U_{imp}$ 1.2/50 µs** | actuator/contact<br>contact/contact | kV<br>kV | > 2.5<br>no | > 2.5<br>> 2.5 | > 2.5<br>no | > 2.5<br>> 2.5 | no<br>no |
| **Minimum contact loads** | | V; mA | 10; 100 | | | | |
| **Terminals** | +/- screw (Pozidriv) | | 1 | | | | |
| **Conductor cross-sections** | rigid<br>flexible with sleeve | $mm^2$<br>min. $mm^2$ | 1.5 ... 6<br>0.75 | | | | 1.5<br>0.5 |
| **Permissible ambient temperature** | device<br>light sensor | °C<br>°C | -10 ... +55<br>-30 ... +70 | | | | no<br>no |
| **Permissible humidity** | device<br>light sensor | %<br>% | < 80<br>< 98 | | | | no<br>no |
| **Resistance to climate** | according to DIN 50016 | | | | | | FW 24 |
| **Degree of protection** | according to EN 60529<br>device<br>light sensor | | <br>IP20<br>IP55 | | <br><br>IP65 | | <br>IP54<br>no |
| **Safety class** | according to EN 61010 | | II | | | | |