

Type	TLZ12-8plus ^{b)} TLZ12D-plus ^{b)}	TLZ12G	TLZ12-8 TLZ12-9 ^{b)}	TLZ61NP ^{b)} TLZ61NP+UC ^{b)}
Contacts				
Contact material/contact gap	AgSnO ₂ /0.5 mm	Opto-Triac	AgSnO ₂ /0.5 mm	AgSnO ₂ /0.5 mm
Spacing of control connections/contact Spacing of control connections C1-C2 or A1-A2/contact	3 mm 6 mm	3 mm 6 mm	3 mm -	3 mm 6 mm
Test voltage control connection/contact Test voltage C1-C2 or A1-A2/contact	2000 V 4000 V	- 4000 V	2000 V -	2000 V 4000 V
Rated switching capacity	16 A/250 V AC	up to 400 W	16 A/250 V AC	10 A/250 V AC
230 V LED lamps	up to 600 W ²⁾ I on ≤ 120 A / 5 ms	up to 400 W ²⁾ I on ≤ 120 A / 20 ms	up to 100 W ²⁾ I on ≤ 30 A / 20 ms	up to 600 W ²⁾ I on ≤ 120 A / 5 ms
Incandescent lamp and halogen lamp load ¹⁾ 230 V, I on ≤ 70 A/10 ms	2300 W	up to 400 W	2000 W TLZ12-9: 2300 W	2000 W
Fluorescent lamp load with KVG* in lead-lag circuit or non compensated	1000 VA	-	500 VA TLZ12-9: 1000 VA	1000 VA
Fluorescent lamp load with KVG* shunt-compensated or with EVG*	500 VA	up to 400 VA	500 VA	500 VA
Compact fluorescent lamps with EVG* and energy saving lamps ESL	up to 200 W ²⁾	up to 400 W ²⁾	up to 100 W ²⁾	up to 200 W ²⁾
Life at rated load, cos φ = 1 or for incandescent lamps 1000 W at 100/h	> 10 ⁵	∞	> 10 ⁵	> 10 ⁵
Life at rated load, cos φ = 0.6 at 100/h	> 4x10 ⁴	∞	> 4x10 ⁴	> 4x10 ⁴
Max. operating cycles	10 ³ /h	10 ³ /h	10 ³ /h	10 ³ /h
Maximum conductor cross-section (3-fold terminal)	6 mm ² (4 mm ²)	6 mm ² (4 mm ²)	6 mm ² (4 mm ²)	4 mm ²
Two conductors of same cross-section (3-fold terminal)	2.5 mm ² (1.5 mm ²)	2.5 mm ² (1.5 mm ²)	2.5 mm ² (1.5 mm ²)	1.5 mm ²
Screw head	slotted/crosshead, pozidriv	slotted/crosshead, pozidriv	slotted/crosshead, pozidriv	slotted/crosshead
Type of enclosure/terminals	IP50/IP20	IP50/IP20	IP50/IP20	IP30/IP20
Electronics				
Time on	100%	100%	100%	100%
Max./min. temperature at mounting location	+50°C/-20°C	+50°C/-20°C	+50°C/-20°C	+50°C/-20°C
Standby loss (activ power)	0.7 W; TLZ12D-plus: 0.5 W	0.4 W	0.7 W	0.7 W
Control current local at 230 V (<10 s) ± 20%	5(100) mA	5(100) mA	5(100) mA	5(100) mA
Control current universal control voltage 8/12/24/230 V (<10 s) ± 20%	2/4/9/5(100) mA	2/4/9/5(100) mA	-	2/4/9/5(100) mA (nur TLZ61NP+UC)
Max. parallel capacitance (approx. length) of individual control lead at 230 V AC	0.06 µF (200 m) C1/C2: 0.9 µF (3000 m)	0.9 µF (3000 m)	0.06 µF (200 m)	0.06 µF (200 m) A1-A2: 0.3 µF (1000 m)

* EVG = electronic ballast units; KVG = conventional ballast units

^{b)} Bistable relay as relay contact. The switched consumer may not be connected to the mains before the short automatic synchronisation after installation has terminated.

¹⁾ Applies for lamps with max. 150 W.

²⁾ Usually applies for dimmable 230 V LED lamps and dimmable energy saving lamps. Due to different lamp electronics and depending on the manufacturer, the maximum number of lamps may be limited, especially if the wattage of the individual lamps is very low (e.g. with 2 W LEDs).