	FUD61NP FUD61NPN FSUD	FUD70S FUD71 FUD71L	FLD61 FKLD61 FRGBW71L	FFR61, FHK61, FLC61, FMS61, FMZ61, FSB61, FSR61, FSR61LN, FSR71, FSSA, FSVA, FTN61	FSG71/1-10V	FHK61SSR FSR61G FSR71SSR	FSB71 FSR71NP-4x
Contacts							
Contact material/contact gap	Power MOSFET	Power MOSFET	Power MOSFET	$AgSnO_2$/ 0.5 mm [b]	$AgSnO_2$/ 0.5 mm [b]	Opto Triac	$AgSnO_2$/ 0.5 mm [b]
Spacing of control connections/contact	–	–	6 mm	3 mm	–	–	3 mm
Test voltage control connections/contact	–	–	–	2000 V	–	–	2000 V
Rated switching capacity each contact	–	–	–	10 A/250 V AC FSR71: 16 A/250 V AC	600 VA [4]	–	4A/250 V AC
Incandescent lamp and halogen lamp load [1] 230V, I on ≤ 70 A/10 ms	up to 300 W [2]	up to 400W [2] FUD71L: up to 1200W [2]	–	2000 W	–	up to 400 W	1000 W
Fluorescent lamp load with KVG* in lead-lag circuit or non compensated	–	–	–	1000 VA	–	–	500 VA
Fluorescent lamp load with KVG* shunt-compensated or with EVG*	–	–	–	500 VA	600 VA [4]	up to 400 VA	250 VA
Compact fluorescent lamps with EVG* and energy saving lamps	up to 300 W [3] (not FUD61NP)	up to 400W [3] FUD71L: up to 1200W [3]	–	up to 400 W [3]	–	up to 400 W [3]	up to 200 W [3]
Inductive laod cos φ = 0.6/230 V AC inrush current ≤ 35 A	–	–	–	650 W [5]	–	–	650 W [5]
Dimmable 230V LED lamps	up to 300 W [3] (not FUD61NP)	up to 400W [3] FUD71L: up to 1200W [3]	–	up to 400 W [3]	–	up to 400 W [3]	up to 200 W [3]
Dimmable LED lamps 12-36 V DC	–	–	FLD61: 4 A FKLD61: 30 W FRGBW71L: 4x2 A	–	–	–	–
Max. switching current DC1: 12 V/24 V DC	–	–	–	8 A (not NP, FSSA, FSVA, 70, 71)	–	–	–
Service life at rated load, cos φ = 1 or incandescent lamps 500 W at 100/h	–	–	–	$> 10^5$	$> 10^5$	∞	$> 10^5$
Service life at rated load, cos φ = 0.6 at 100/h	–	–	–	$> 4 \times 10^4$	$> 4 \times 10^4$	–	$> 4 \times 10^4$
Max. operating cyles	–	–	–	10^3/h	10^3/h	10^3/h	10^3/h
Maximum conductor cross-section	4 mm^2	4 mm^2	4 mm^2	4 mm^2	4 mm^2	4 mm^2	4 mm^2
Two conductors of same cross-section	1.5 mm^2	1.5 mm^2	1.5 mm^2	1.5 mm^2	1.5 mm^2	1.5 mm^2	1.5 mm^2
Screw head	slotted/cross-head	slotted/cross-head	slotted/cross-head	slotted/cross-head	slotted/cross-head	slotted/cross-head	slotted/cross-head
Type of enclosure/terminals	IP30/IP20	IP30/IP20	IP30/IP20	IP30/IP20	IP30/IP20	IP30/IP20	IP30/IP20
Electronics							
Time on	100 %	100 %	100 %	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	+50°C/-20°C	+50°C/-20°C	+50°C/-20°C
Standby loss (active power)	0.7 W	0.6 W FUD71: 0.7 W	0.2 - 0.6 W	0.3 - 0.9 W	1.4 W	0.8 W	0.8 W
Control current universal control voltage 8/12/24/230 V (<5 s)	–	–	2/3/7/4(100)mA	–	–	–	–
Local control current at 230 V control input, only on Series 61	1 mA	–	–	3.5 mA; FSR61/8-24 V UC at 24 V DC: 0,2 mA	–	3.5 mA	3.5 mA
Max. parallel capacitance (approx. length) of local control lead at 230 V AC	0.06 µF (200 m)	–	0.3 µF (1000 m)	0.01 µF (30 m)	–	0.01 µF (30 m)	0.01 µF (30 m)

[b] Bistable relay as relay contact. After installation, wait for short automatic synchronisation before teaching-in the wireless pushbuttons.

[1] Applies to lamps of max. 150 W.

[2] Also max. 2 induction transformers of the same type (L load) and electronic transformers (C load).

[3] Generally applies to energy saving lamps (ESL) and 230 V LED lamps. Due to different lamp electronics, switch on/off problems and a restriction in the maximum number of lamps, however, the dimming ranges may be limited depending on the manufacturer; in particular when the connected load is very low (e.g. with 5 W LEDs). The dimmer switch comfort settings EC1, EC2, LC1, LC2 and LC3 optimise the dimming range, however, the maximum power is then only up to 100 W. In these comfort settings, no inductive (wound) transformers may be dimmed.

[4] Fluorescent lamps or LV halogen lamps with electronic ballast.

[5] All actuators with 2 contacts: Inductive load cos φ = 0.6 as sum of both contacts 1000 W max.

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

Eltako Wireless is based on the EnOcean wireless standard for 868 MHz, frequency 868.3 MHz, data rate 125 kbps, modulation mode ASK, max. transmit power 7 dBm (< 10 mW).

Compliance with: EN 61000-6-3, EN 61000-6-1 and EN 60 669