

	FUD61NP FUD61NPN	FUD70 FUD70S FKR70UD FLS70UD	FSR61, FMS61, FLC61, FSB61, FTN61, FMZ61, FHK61, FSR61LN, F2L61, FFR61, FZK61, FSR70, FSB70, FHK70, F2L70, FZK70	FSG70 FKR70/1-10V FLS70/1-10V
Contacts				
Contact material/contact gap	Power MOSFET	Power MOSFET	AgSnO ₂ /0.5 mm ^{b)}	AgSnO ₂ /0.5 mm ^{b)}
Spacing of control connections/contact	–	–	3 mm	–
Test voltage control connections/contact	–	–	2000 V	–
Rated switching capacity each contact	–	–	10 A/250 V AC FSR70W: 16A/250 V AC	600 VA ⁴⁾
Incandescent lamp and halogen lamp load ¹⁾ 230V	up to 300 W ²⁾	up to 400 W ²⁾	2000 W	–
Fluorescent lamp load with KVG* in lead-lag circuit or non compensated	–	–	1000 VA	–
Fluorescent lamp load with KVG* shunt-compensated or with EVG*	–	–	500 VA	600 VA ⁴⁾
Compact fluorescent lamps with EVG* and energy saving lamps	only FUD61NPN: up to 100 W ³⁾	up to 100 W ³⁾	15 x 7 W, 10 x 20 W	–
Inductive load cos φ = 0.6/230 V AC inrush current ≤ 35 A	–	–	650 W ⁵⁾	–
Dimmable 230V LED lamps	only FUD61NPN: up to 100 W ³⁾	up to 100 W ³⁾	–	–
Max. switching current DC1: 12V/24V DC	–	–	8 A (not NP and 70)	–
Service life at rated load, cos φ = 1 or incandescent lamps 500W at 100/h	–	–	> 10 ⁵	> 10 ⁵
Service life at rated load, cos φ = 0.6 at 100/h	–	–	> 4 x 10 ⁴	> 4 x 10 ⁴
Max. operating cycles	–	–	10 ³ /h	10 ³ /h
Maximum conductor cross-section	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
Screw 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
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 (active power)	FUD61NP: 0.7 W; FUD61NPN: 0.5 W	0.6 W	0.3 W - 0.9 W	1.7 W
Local control current at 230V control input, only on Series 61	1 mA	–	3.5 mA; FSR61+FHK61/8-24 V UC, at 24 V DC: 0.2 mA	–
Max. parallel capacitance (approx. length) of local control lead at 230V AC	0.06 μF (200 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⁾ In the settings ESL for dimmable energy saving lamps ESL or in the LED settings für dimmable 230V LED lamps no wound (inductive) transformers must be dimmed. Only for dimmable energy saving lamps ESL.

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 1000W 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 61 000-6-3, EN 61000-6-1 and EN 60 669