

	ELD61	EUD12NPN¹⁾ EUD12Z¹⁾ EUD12D¹⁾ LUD12¹⁾ MFZ12PMD¹⁾	EUD61NPN¹⁾ EUD61M¹⁾ EUD61NP¹⁾	EUD12F¹⁾	SDS12 SUD12	SDS61	MOD12D
Spacing of control connections/load	6mm	6mm	6mm EUD61NP: 3mm	6mm	6mm	3mm	6mm
Incandescent lamps 230V (R)	–	up to 400 W	up to 400 W	up to 300 W	–	–	–
Halogen lamps 230V (R)	–	up to 400 W	up to 400 W	up to 300 W	–	–	–
Inductive transformers (L)	–	up to 400 W ²⁾³⁾	up to 400 W ²⁾³⁾	up to 300W ²⁾³⁾	–	–	–
Motor (L)	–	–	–	–	–	–	up to 300W ⁷⁾
Capacitive transformers (C) ⁸⁾	–	up to 400 W ²⁾³⁾	up to 400 W ²⁾³⁾	up to 300 W ²⁾³⁾	–	–	–
Dimmable energy saving lamps ESL ⁵⁾⁶⁾	–	up to 100 W	up to 100 W (not EUD61NP)	up to 100 W	–	–	–
Dimmable 230V LED lamps ⁵⁾⁶⁾	–	up to 100 W (not EUD12Z)	only EUD61NPN: up to 100W	–	–	–	–
Dimmable LED lamps 12-36V DC	4A						
1-10V EVG*	–	–	–	–	40mA 600 VA	40mA 600 VA	–
Maximum conductor cross-section (3-fold terminal)	4 mm ²	6 mm ² (4 mm ²)	4 mm ²	6 mm ² (4 mm ²)	6 mm ² (4 mm ²)	4 mm ²	6 mm ² (4 mm ²)
Two conductors of same crosssection (3-fold terminal)	1.5 mm ²	2.5 mm ² (1.5 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	2,5 mm ² (1.5 mm ²)
Screw head	slotted/cross-head, pozidriv	slotted/cross-head, pozidriv	slotted/cross-head	slotted/cross-head, pozidriv	slotted/cross-head, pozidriv	slotted/cross-head, pozidriv	slotted/cross-head, pozidriv
Type of enclosure/terminals	IP30/IP20	IP50/IP20	IP30/IP20	IP50/IP20	IP50/IP20	IP30/IP20	IP50/IP20
Time on	100 %	100 %	100 %	100 %	100 %	100 %	100 %
Max./min. temperature at mounting location	+50°C/-20°C ⁴⁾	+50°C/-20°C ⁴⁾	+50°C/-20°C ⁴⁾	+50°C/-20°C ⁴⁾	+50°C/-20°C	+50°C/-20°C ⁴⁾	+50°C/-20°C
Standby loss (active power)	0.1 W	0.1 W EUD12D and MFZ12PMD: 0.3W	0.1 W EUD61NP: 0.5 W	0.1 W	1 W SUD12: 0,9W	1 W	0.3 W
Control voltage	8..230V UC	8..230V UC	8..230V UC EUD61NP: 230V	internal DC voltage	8..230V UC	230 V	8..230V UC
Control current 230V-control input	–	–	EUD61NP: 0.7 mA	–	–	0.5 mA	–
Control current universal control voltage all control voltages (< 5 s) 8/12/24/230V (< 5 s)	2/3/7/4(100)mA	10(100) mA	2/3/7/4 (100) mA	– –	3/5/10/4(100)mA	–	2/3/8/5 (100) mA
Control current central 8/12/24/230V (< 5 s)	–	3/5/10/4(100) mA	–	–	3/5/10/4(100) mA	–	2/3/8/5 (100) mA
Max. parallel capacitance (approx. length) of single control lead at 230V AC	0.3µF (1000m)	0.9 µF (3000 m)	0.9 µF (3000 m) EUD61NP: 0.3 µF (1000 m)	–	0.3 µF (1000 m)	0.06 µF (200 m)	0.9 µF (3000 m)
Max. parallel capacitance (approx. length) of central control lead at 230V AC	–	0.9 µF (3000 m)	–	–	0.3 µF (1000 m)	–	0.9 µF (3000 m)

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

¹⁾ At a load of more than 200W (EUD12F: 100W) a ventilation clearance of 1/2 module to adjacent devices must be maintained.

The switching capacity of the EUD61 depends also on the ventilation conditions.

²⁾ Per dimmer or capacity enhancer it is only allowed to use max. 2 inductive (wound) transformers of the same type, furthermore no-load operation on the secondary part is not permitted. The dimmer might be destroyed. Therefore do not permit load breaking on the secondary part. Operation in parallel of inductive (wound) and capacitive (electronic) transformers is not permitted!

³⁾ **When calculating the load a loss of 20% for inductive (wound) transformers and a loss of 5% for capacitive (electronic) transformers must be considered in addition to the lamp load.**

⁴⁾ Affects the max. switching capacity.

⁵⁾ In the settings ESL and LED no wound (inductive) transformer must be dimmed.

⁶⁾ Increase of capacity for dimmable energy saving lamps ESL and dimmable 230V LED lamps see page B6.

⁷⁾ Only 1 motor may be connected.

⁸⁾ For 12V halogen and LED lamps.