

Electronic transformer



- Supply voltage 230 Volt
- Mains frequency 50 / 60 Hz
- Operating frequency 40 kHz
- Secondary voltage 11,8 Volt
- Temperature area -20° C up to +50°C
- Dimming trailing edge
- Short circuit protection electr. reversible
- Overload protection power reduction
- Overhead protection electr. reversible

Version	Art.-No.	Length x width x height	Weight
20-60 W	33.060	152 x 44 x 34 mm	0.15 kg
35-110 W	33.110	152 x 44 x 34 mm	0.20 kg
50-150 W	33.150	152 x 44 x 34 mm	0.20 kg

Primary: 2 terminal blocks for through wiring from device to device.
Secondary: 3 terminal blocks for the parallel connecting of 3 luminaires.



- Supply voltage 230 Volt
- Mains frequency 50 / 60 Hz
- Operating frequency 40 kHz
- Secondary voltage 11,8 Volt
- Temperature area -20° C up to +50°C
- Dimming trailing edge
- Short circuit protection electr. reversible
- Overload protection power reduction
- Overhead protection electr. reversible

Version	Art.-No.	Length x width x height	Weight
20-60 W	34.060	137 x 37 x 25 mm	0.10 kg
35-110 W	34.110	137 x 37 x 25 mm	0.12 kg
50-150 W	34.150	137 x 37 x 31 mm	0.15 kg

Primary: 1 terminal block. Secondary: 1 terminal block for the connecting of 1 luminaire.



- Supply voltage 230 Volt + 6%
- Mains frequency 50 / 60 Hz
- Operating frequency 45 / 32 / 35 kHz
- Mains current 0,27 / 0,46 / 0,65 A
- Power factory 0,99
- max. lamp power 70 / 105 / 150 W
- Loss power 3 / 6 / 9 W
- Secondary voltage 11,6 - 12 Volt
- Temperature area -20° C up to +50°C
- Dimming trailing edge
- Short circuit protection electr. reversible
- Overload protection electr. Reversible
- Overhead protection electr. reversible

Version	Art.-No.	Length x width x height	Weight
20-70 W	32.070	175 x 42 x 33,5 mm	0.15 kg
105 W	32.105	175 x 42 x 33,5 mm	0.20 kg
150 W	32.150	220 x 46 x 44 mm	0.20 kg

D.C. operating for emergency lighting facilities accord. to VDE 0108 possible. Primary: 2 terminal blocks for through wiring from device to device (up to 2 x NYM 3 x 1,5). Secondary: 3 terminal blocks for the parallel connecting of 3 luminaires.

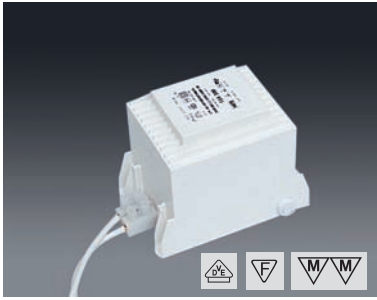


- Supply voltage 230 Volt
- Mains frequency 50 / 60 Hz
- Operating frequency 40 kHz
- Secondary voltage 11,7 Volt
- Temperature area -20° C up to +45° C
- Dimming trailing edge and leading edge
- Short circuit protection electr. reversible
- Overload protection electr. Reversible
- Overhead protection electr. reversible

Version	Art.-No.	Length x width x height	Weight
70 W	36.070C	102 x 51 x 30 mm	0,11 kg
105 W	36.105C	102 x 51 x 30 mm	0,12 kg

Primary: 1 terminal block. Secondary: 2 terminal blocks for the connecting of 2 luminaires.

Sealed transformer



- Supply voltage 230 Volt
- Secondary voltage 11,5 Volt
- Overload protection with thermal switch
- Short circuit protection high-sensitive fuse (for article 31.060 due to thermal switch)
- Ambient temperature t_a 40
- Isolation class E
- Protection type IP40

Version	Art.-No.	Length x width x height	Weight
50 W	31.050	103 x 75 x 61 mm	1.35 kg
60 W	31.060	103 x 75 x 61 mm	1.40 kg
150 W	31.105	113 x 82 x 79 mm	2.20 kg

LED converter



LED converter 350 mA

Electronic constant current converter for LED luminaires operated with constant current of 350 mA.

- Supply voltage 230 Volt +/- 5%
- Mains frequency 0 / 50 Hz
- Mains current 0,25 - 1 A
- Power factor 0,9

Version	Art.-No.
15 W	21.350.15
60 W	21.350.60



LED converter 700 mA

Electronic constant current converter for LED luminaires operated with constant current of 700 mA.

- Supply voltage 230 Volt +/- 5%
- Mains frequency 50 Hz
- Mains current 0,1 - 0,5 A
- Power factor 0,95

Version	Art.-No.
30 W	21.700.30
60 W	21.700.60