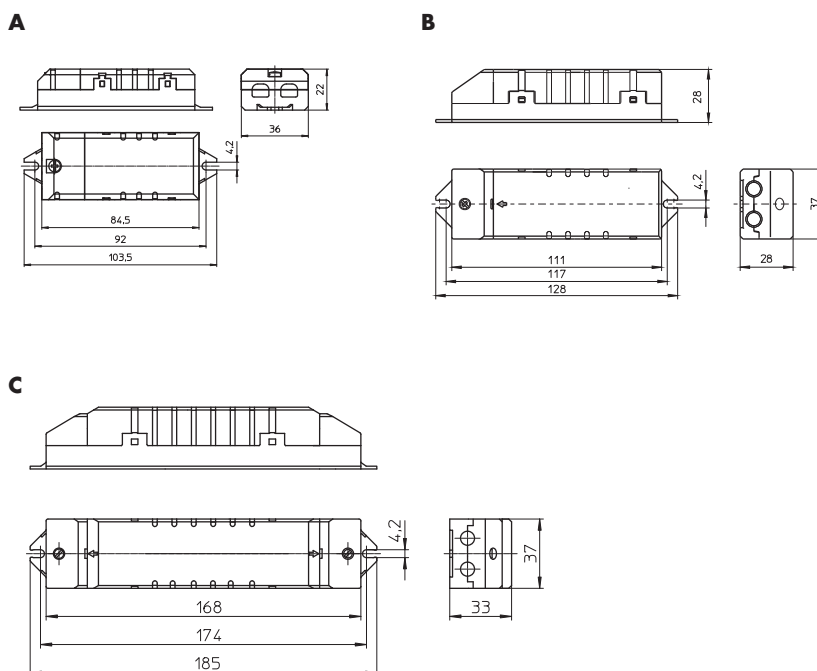
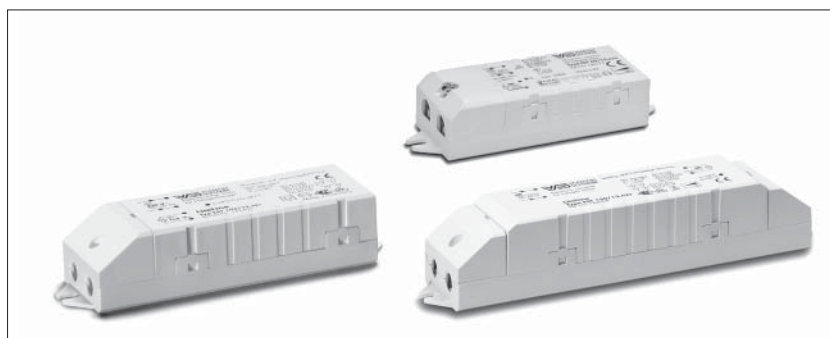


## Independent Electronic Converters – LiteLine

Electronic safety converters  
for low-voltage halogen incandescent lamps 12 V  
Casing: heat-resistant polyamide  
Mains frequency: 50–60 Hz  
Protection against "no load" operation  
Protection against short-circuit:  
electronic switch-off with automatic restart  
Electronically controlled overload  
and temperature protection  
Suitable for installation in furniture  
and on combustible surfaces  
Power factor: > 0.95  
Efficiency: ≥ 94%  
Dimming: optional with phase-cutting leading-  
edge or phase-cutting trailing-edge dimmer  
Screw terminals: 2.5 mm<sup>2</sup>  
(EST 60/12.635 primary: 4 mm<sup>2</sup>)  
Quantity of screw terminals:  
1x2-poles primary  
1x2-poles secondary  
With integrated cord grip  
**Protection class II**  
SELV  
Degree of protection: IP20  
RFI-suppressed



Type	Ref. No.	Capacity range (W)	Voltage (V) prim. (±10%)	sec.	Nominal current A	Ambient temperature t <sub>a</sub> (°C)	Casing temperature t <sub>c</sub> (°C)	Drawing	Weight g
<b>Dimensions: 22x36x103.5 mm</b>									
EST 60/12.635	<b>186173</b>	10–60	220–240	10.2–12	0.258–0.260	–20 to 45	max. 85	A	70
<b>Dimensions: 28x37x128 mm</b>									
EST 70/12.380	<b>186072</b>	20–70	230–240	11.3–11.7	0.30–0.31	–20 to 45	max. 70	B	85
EST 105/12.381	<b>186077</b>	20–105	230–240	11.2–11.7	0.435–0.445	–20 to 40	max. 85	B	95
<b>Dimensions: 33x37x185 mm</b>									
EST 150/12.622	<b>186098</b>	50–150	230–240	11.2–11.6	0.595–0.605	–20 to 45	max. 85	C	175