

Electronic Converters for LED Modules 24 V

If LED modules are used that are connected in parallel, the voltage-stabilising system is activated. The advantages include easy extendibility and system safety on account of the low voltage.

The electronic converters made by Vossloh-Schwabe guarantee a broad output range at a voltage of 24 V. Typical areas of application are architectural and general lighting, the replacement of halogen lamps as well as furniture lighting.

Devices with the particularly high IP67 degree of protection are designed for use in outdoor applications.

General technical notes

Short-circuit protection: electronic

Overload and temperature protection: reversible

Protection against "no load" operation

Protection class I (EDXe 120: protection class II)

Output W	Type	Ref. No.	Mains voltage 50, 60 Hz V	Voltage output V	Mains current mA	Output current A	Ambient temperature t_a °C	Casing temperature t_c °C	Power factor	Drawing/ photo	With cord grip	Weight g
0.1–20	EDXe 120	186129	220–240	24 ± 0.5	230/210	0.85	–20 to 45	75	0.5	A	–	155
0.0–50	EDXe 150/24 V	186218	220–240	24 ± 0.72	260/235	0.0–2.1	–40 to 45	70	0.97	B	–	320
0.0–50	EDXe 150/24 V	186219	220–240	24 ± 0.72	260/235	0.0–2.1	–40 to 45	70	0.97	C	yes	370
0.0–70	EDXe 170/24 V	186103	220–240	24 ± 0.48	360/310	0.0–2.9	–20 to 45	70	0.97	B	–	340
0.0–70	EDXe 170/24 V	186104	220–240	24 ± 0.48	360/310	0.0–2.9	–20 to 45	70	0.97	C	yes	360
0.0–130	EDXe 1130/24 V	186131	220–240	24 ± 0.48	640/585	0.0–5.4	–20 to 45	75	0.98	B	–	370
0.0–130	EDXe 1130/24 V	186132	220–240	24 ± 0.48	640/585	0.0–5.4	–20 to 45	75	0.98	C	yes	390
Degree of protection: IP67												
0.0–70	EDXe 170/24 V IP67	186105	220–240	24 ± 0.48	360/330	0.0–2.9	–20 to 45	70	0.97	D	–	515
0.0–130	EDXe 1130/24 V IP67	186133	220–240	24 ± 0.48	640/585	0.0–5.4	–20 to 45	70	0.97	D	–	545

Converter EDXe 120

Degree of protection: IP20, SELV-equivalent

Dimensions (LxWxH): 182x42x18 mm

(Drawing: A)

Connections/leads:

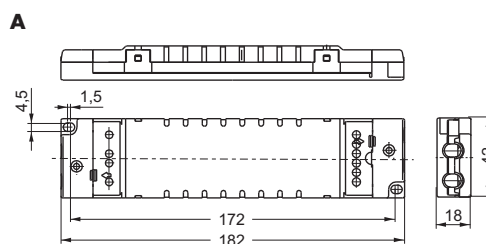
prim.: mains connection cable

sec.: screw terminals 1.5 mm²

Ref. No.: 186129



A – EDXe 120



Converters EDXe 150, 170 and 1130/24 V

Degree of protection: IP20, SELV

Push-in terminals with push button:

2.5 mm² solid lead

Without cord grip

Dimensions (LxWxH): 187x60x36 mm

Fixing centres: 178 mm (Drawing: B)

Type: EDXe 150/24 V

Ref. No.: 186218 output: 0–50 W

Dimensions (LxWxH): 200x61x49 mm

Fixing centres: 191 mm (Drawing: B)

Type: EDXe 170/24 V

Ref. No.: 186103 output: 0–70 W

Type: EDXe 1130/24 V

Ref. No.: 186131 output: 0–130 W

With cord grip

Cord grip approved for mains leads:

H03W-F 3X0.75 mm² or NYM 3X1.5 mm²

Cord grip approved for output leads:

SIHY-Cu 4X1 mm² or SIHSL-Cu 4X1 mm²

Dimensions (LxWxH): 224x60x36 mm

Fixing centres: 210 mm (Drawing: C)

Type: EDXe 150/24 V

Ref. No.: 186219 output: 0–50 W

Dimensions (LxWxH): 245x61x49 mm

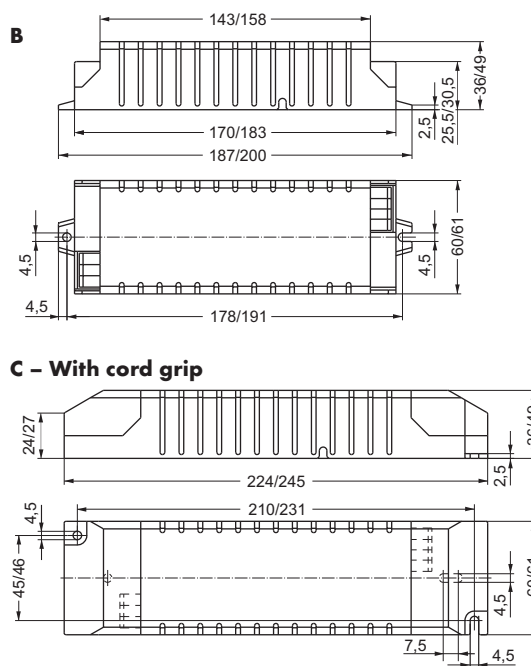
Fixing centres: 231 mm (Drawing: C)

Type: EDXe 170/24 V

Ref. No.: 186104 output: 0–70 W

Type: EDXe 1130/24 V

Ref. No.: 186132 output: 0–130 W



Converter EDXe 170 IP67/24 V

Degree of protection: casing IP67, SELV

Dimensions (LxWxH): 268x71.6x51 mm

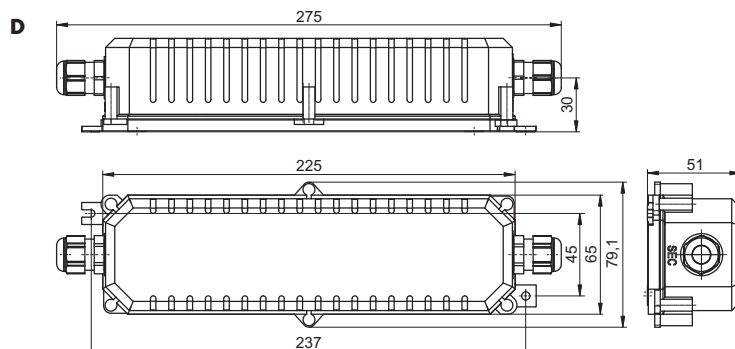
Fixing centres: 235 mm (Drawing: D)

Pre-assembled connection:

prim.: 3X1 mm², H05RN-F, length: 500 mm

sec.: 2X2 mm², SO7RN-F, length: 500 mm

Ref. No.: 186105 output: 0–70 W



Converter EDXe 1130 IP67/24 V

Degree of protection: casing IP67, SELV

Dimensions (LxWxH): 268x71.6x51 mm

Fixing centres: 235 mm (Drawing: D)

Pre-assembled connection:

prim.: 3X1 mm², H05RN-F, length: 500 mm

sec.: 2X2 mm², SO7RN-F, length: 500 mm

Ref. No.: 186133 output: 0–130 W