

EasyLine LED Drivers

Product features

- Robust casing shape

Functions

- Moisture resistant with IP65/IP67 protection

Electrical features

- Mains voltage: 220–240 V $\pm 10\%$
- Mains frequency: 50–60 Hz
- Pre-assembled connection leads:
 - primary: 3x2.08 mm², length: 320 mm
 - secondary: 2x2.08 mm², length: 320 mm
- Power factor at full load: > 0.95
- Secondary side switching of LED modules is not allowed.

Safety features

- Protection against transient main peaks up to 1.5 kV (between L and N) (186617: up to 4 kV between L and N)
- Electronic short-circuit protection
- Overload protection
- Protection against "no load" operation
- Degree of protection: IP67 (186617: IP65)
- Protection class I

Packaging units

Ref. No.	Packaging unit		
	Pieces per box	Boxes per pallet	Weight g
186452	12	45	660
186453	12	45	660
186454	12	45	714
186455	12	45	840
186456	12	45	840
186510	12	45	1050
186477	12	45	840
186617	12	45	840

Product guarantee

- 3 years
- The conditions for the Product Guarantee of the Vossloh-Schwabe Group shall apply as published on our homepage (www.vossloh-schwabe.com). We will be happy to send you these conditions upon request.



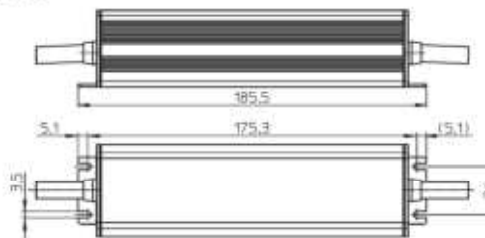
Dimensions

- Casing: M56/M58/M58.1
- Length: 185/216/206 mm
- Width: 49.4/68.6/68.6 mm
- Height: 40.6/46.3/37 mm

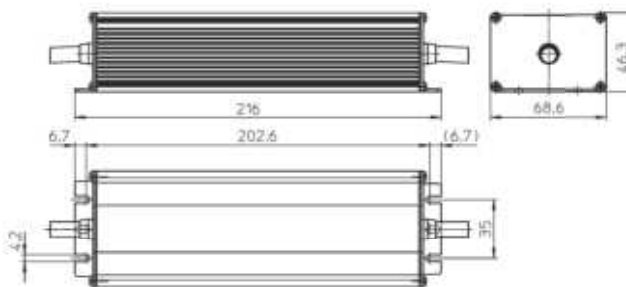
Used standards

- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 62384
- EN 55015

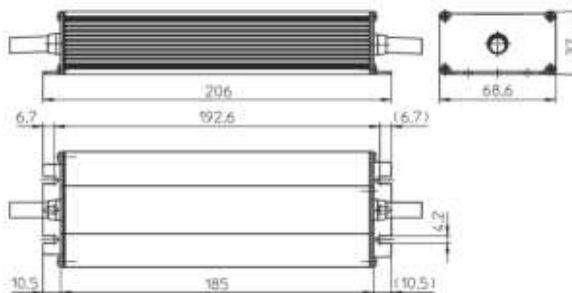
M56



M58



M58.1



The values contained in this data sheet can change due to technical innovations. Any such changes will be made without separate notification.

Electrical characteristics

Max. output W	Type	Ref. No.	Voltage 50–60 Hz V	Mains current mA	Inrush current A / μ s	Current output DC mA (\pm 3%)	Voltage output DC (V)	THD at full load % (230 V)	Efficiency at full load % (230 V)	Ripple 100 Hz %
50	ECXe 700.156	186452	220–240	260–240	29.4 / 194	700	35–72	6	> 88	< 40
75	ECXe 1050.157	186453	220–240	380–350	36.7 / 213	1050	30–70	5	> 88	< 40
100	ECXe 1400.158	186454	220–240	520–470	50 / 105	1400	100–225	6	> 90	< 40
122.4	ECXe 1700.159	186455	220–240	640–580	108 / 78	1700	30–130	9	> 90	< 40
120	ECXe 1050.235	186617	220–240	630–570	45 / 280	1050	60–116	7	> 85	< 20
151.2	ECXe 2100.160	186456	220–240	790–720	52 / 470	2100	30–130	9	> 90	< 40
172.8	ECXe 2400.167	186510	220–240	920–820	93 / 203	2400	30–130	14	> 85	< 40
201.6	ECXe 2800.168	186477	220–240	1020–930	130 / 153	2800	30–130	9	> 85	< 40

Maximum ratings

Exceeding the maximum ratings can lead to reduction of service life or destruction of the drivers.

Ref. No.	Ambient temperature range		Operation humidity range		Storage temperature range		Storage humidity range		Max. operation temperature at t_c point °C max.	Degree of protection
	°C min.	°C max.	% min.	% max.	°C min.	°C max.	% min.	% max.		
186452	-30	60	5	60	-40	+85	5	95	75	IP67
186453	-30	60	5	60	-40	+85	5	95	80	IP67
186454	-30	50	5	60	-40	+85	5	95	80	IP67
186455	-30	50	5	60	-40	+85	5	95	75	IP67
186617	-40	50	5	60	-40	+85	5	95	75	IP65
186456	-30	50	5	60	-40	+85	5	95	75	IP67
186510	-30	50	5	60	-40	+85	5	95	80	IP67
186477	-30	50	5	60	-40	+85	5	95	80	IP67

Expected service life time

at operation temperatures at t_c point

Operation current	Ref. No.		Ref. No.	
all	75 °C	65 °C	80 °C	70 °C
hrs.	30,000	50,000	30,000	50,000

Product labels

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