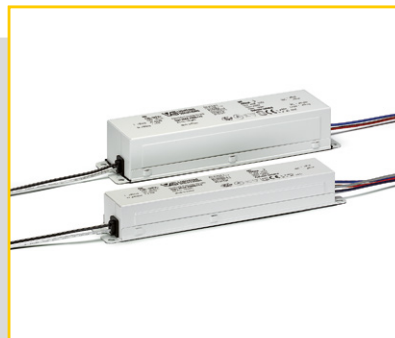


CC STREET & INDUSTRY SIMPLE FIX



COMFORTLINE SIMPLE FIX S-1 20 V POWER REDUCTION IP

186397, 186398, 186509

Typical Applications

Built-in in luminaires for

- Street lighting

ComfortLine Simple Fix S-120 V power reduction IP

- **DEGREE OF PROTECTION: IP65**
- **POWER REDUCTION OVER CONTROL PHASE**
- **WIDE INPUT VOLTAGE RANGE: 120-277 V**
- **SURGE PROTECTION: UP TO 6 KV**
- **PREASSEMBLED CONNECTION LEADS**
- **LONG SERVICE LIFE:
UP TO 100,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**



ComfortLine Simple Fix S-120 V power reduction IP

Product features

- Linear casing shape
- Power reduction by reducing the output current

Electrical features

- Mains voltage: 120–277 V $\pm 10\%$
- Mains frequency: 50–60 Hz
- Pre-assembled connection leads
primary: 3x0.75 mm²,
secondary: 2x0.75 mm²
- Power factor at full load: > 0.9
- Max. working voltage (U_{OUT}): 130 V (186397),
165 V (186398) or 250 V (186509)
- Secondary side switching of LED modules
is not allowed.

Power reduction

- The nominal output current is reduced to 57% by switching on the control phase (L_{ST}).
- By connecting L (black) and L_{ST} (orange) to the mains voltage, the power is reduced by the reduced output current. If this function is not used, an additional terminal should be provided in the luminaire to fix the L_{ST} line.

Safety features

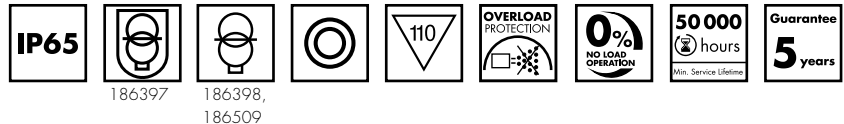
- Protection against transient main peaks up to 6 kV (between L and N)
- Electronic short-circuit protection
- Overload protection
- Protection against "no load" operation
- Degree of protection: IP65
- Protection class II

Packaging units

Best.-Nr.	Verpackungseinheit		
	Stück pro Karton	Kartons pro Palette	Gewicht g
186397	10	108	625
186398	10	84	1100
186509	10	84	1100

Product guarantee

- 5 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.



Applied standards

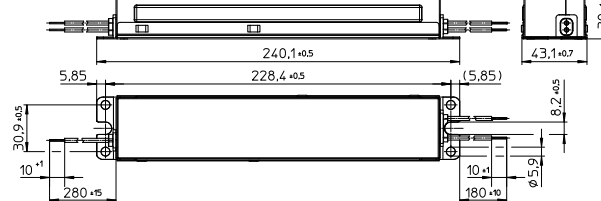
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 61000-3-3
- EN 62384 (außer 186509)
- EN 55015



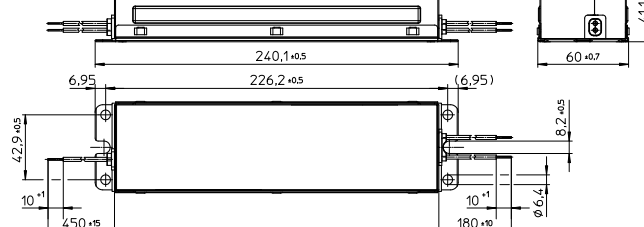
Dimensions

Ref. No.	Casing	Length mm	Width mm	Height mm
186397	M59.1	240.1	43.1	30
186398	M59.2	240.1	60	41.1
186509	M59.2	240.1	60	41.1

M59.1



M59.2



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 5%)	Voltage output DC (V)	THD at full load % (230 V)	Efficiency at full load % (230 V)	Ripple 100 Hz %
75	ECXe 700G.114	186397	120–277	700–304	10.8 / 29	700 400	54–107	10	> 88	> 28
100	ECXe 700G.115	186398	120–277	917–398	90 / 168	700 400	70–143	12	> 88	> 3
150	ECXe 700G.190	186509	120–277	1363–591	74 / 186	700 400	107–214	9	> 88	> 3

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	Degree of protection
	°C min.	°C max.	% min.	% max.	°C min.	°C max.	% min.	% max.		
186397	-40	+55	10	95	-40	+85	5	95	+85	IP65
186398	-30	+55							+80	
186509	-30	+55							+85	

Expected service life time

at operation temperatures at t_c point

Operation current	Ref. No.			
	186397,	186509	186398	
700 mA	75 °C	85 °C	70 °C	80 °C
hrs.	100,000	50,000	100,000	50,000

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