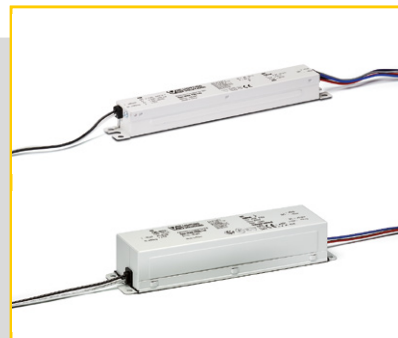


# CC STREET & INDUSTRY SIMPLE FIX



## COMFORTLINE SIMPLE FIX S-120 V IP

**186399, 186489**

### Typical Applications

Built-in in luminaires for

- Street lighting

### ComfortLine Simple Fix S-120 V IP

- **DEGREE OF PROTECTION: IP65/IP54**
- **VERY LOW RIPPLE CURRENT: < 5%**
- **WIDE INPUT VOLTAGE RANGE: 120–277 V**
- **SURGE PROTECTION: UP TO 6 KV**
- **PREASSEMBLED CONNECTION LEADS**
- **SELV**
- **LONG SERVICE LIFE:  
UP TO 100,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**



## ComfortLine Simple Fix S-120 V IP

### Product features

- Linear casing shape

### Electrical features

- Mains voltage: 120–277 V  $\pm 10\%$
- Mains frequency: 50–60 Hz
- Pre-assembled connection leads  
2x0.75 mm<sup>2</sup>, length: 228 mm or  
primary/secondary: 450/180 mm (186399)
- Power factor at full load: > 0.9
- Open circuit voltage (U<sub>max.</sub>): 60 V (186489)
- Max. working voltage (U<sub>OUT</sub>): 250 V (186399)
- Secondary side switching of LED modules  
is not allowed.

### Safety features

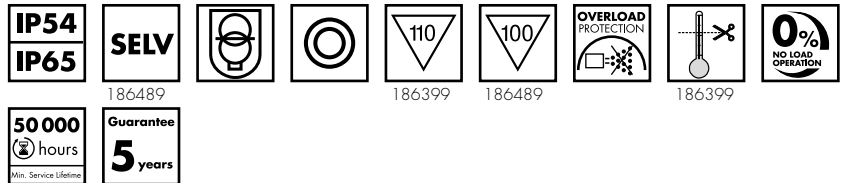
- Protection against transient main peaks  
up to 6 kV (between L and N)
- Electronic short-circuit protection
- Overload protection
- Overtemperature protection (186399)
- Protection against "no load" operation
- Degree of protection: IP65 / IP54 (186489)
- Protection class II
- SELV (186489)

### Packaging units

Ref. No.	Packaging unit		
	Pieces per box	Boxes per pallet	Weight g
186399	10	80	1100
186489	15	80	395

### 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](http://www.vossloh-schwabe.com)). We will be happy to send you these conditions upon request.



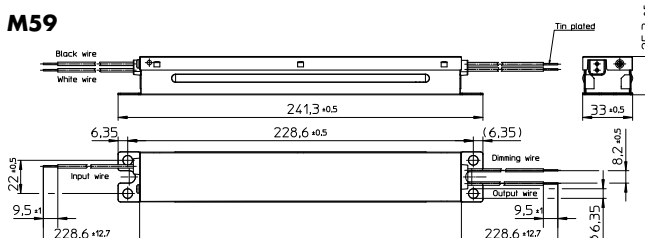
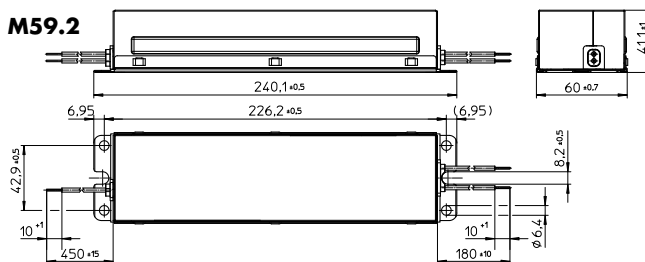
### Applied standards

- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 61000-3-3
- EN 62384 (except 186489)
- EN 55015



### Dimensions

Ref. No.	Casing	Length mm	Width mm	Height mm
186399	M59.2	240.1	60	41.1
186489	M59	241.3	33	25.3



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 / $\mu$ 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 %
38.5	ECXe 700G.176	<b>186489</b>	120–277	440–200	35 / 174	700	32–55	13	> 85	< 5
150	ECXe 700G.116	<b>186399</b>	120–277	1363–591	76 / 142	700	107–214	8	> 88	< 1

## 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.		
186489	-30	+55	10	85	-40	+85	5	95	+80	IP54
186399	-40	+55	10	95					+85	IP65

## Expected service life time

at operation temperatures at  $t_c$  point

Operation current	Ref. No.			
	186399		186489	
All	75 °C	85 °C	70 °C	80 °C
hrs.	100,000	50,000	100,000	50,000

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