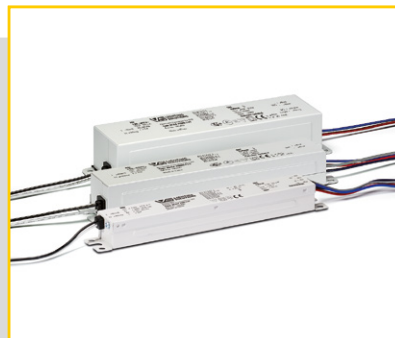


CC STREET &
INDUSTRY
SIMPLE FIX
DIMMABLE



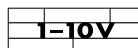
COMFORTLINE SIMPLE FIX S-120 V 1-10 V IP

186400, 186401, 186402, 186490

Typical Applications

Built-in in luminaires for

- Street lighting



ComfortLine Simple Fix S-120 V 1-10 V IP

- **DEGREE OF PROTECTION: IP65/IP54**
- **DIMMABLE: 1-10 V**
- **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 1–10 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
primary: 2x0.75 mm²
secondary: 4x0.75 mm²
- Power factor at full load: > 0.9
- Open circuit voltage (U_{max.}): 60 V (186490)
or 120 V (186400)
- Max. working voltage (U_{OUT}): 200 V (186401)
or 250 V (186402)
- Secondary side switching of LED modules
is not allowed.

Dimming

- Dimming range: 10 to 100%
- If no dimming interface is connected, brightness
will stay at 100%.

Safety features

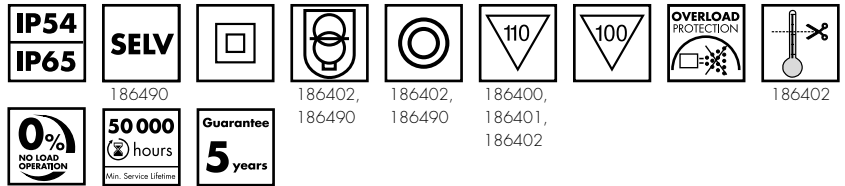
- Protection against transient main peaks
up to 6 kV (between L and N)
- Electronic short-circuit protection
- Overload protection
- Overtemperature protection (186402)
- Protection against "no load" operation
- Degree of protection: IP65 / IP54 (186490)
- SELV (186490)
- Protection class II

Packaging units

| Ref. No. | Packaging unit | | |
|----------|-------------------|---------------------|-------------|
| | Pieces per box | Boxes per pallet | Weight g |
| 186400 | 10 | 108 | 625 |
| 186401 | 10 | 84 | 1070 |
| 186402 | 10 | 84 | 1070 |
| 186490 | 15 | 80 | 625 |

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 (except 186490)
- EN 55015

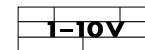
Dimensions

| Ref. No. | Casing | Length mm | Width mm | Height mm |
|----------|--------|--------------|-------------|--------------|
| 186400 | M59.1 | 240.1 | 43.1 | 30 |
| 186401 | M59.2 | 240.1 | 60 | 41.1 |
| 186402 | M59.2 | 240.1 | 60 | 41.1 |
| 186490 | M59 | 241.3 | 33 | 25.3 |

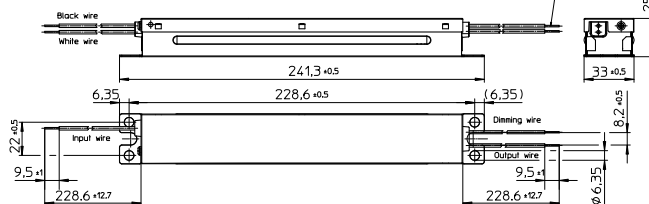


Dimming

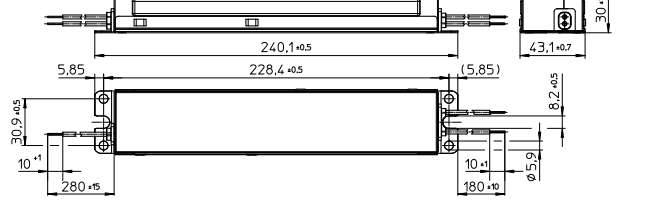
Analogue



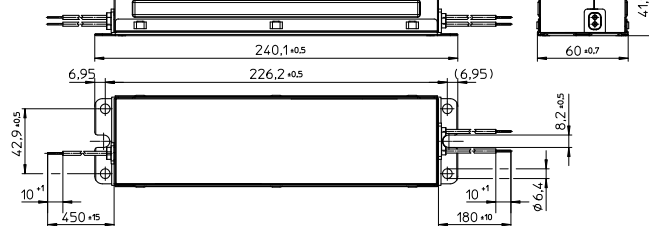
M59



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 % |
|---------------|---------------|---------------|--------------------|------------------|----------------------------|----------------------------------|-----------------------|----------------------------|-----------------------------------|-----------------|
| 38.5 | ECXd 700G.177 | 186490 | 120–277 | 440–200 | 33 / 176 | 700 | 32–55 | 12 | > 85 | < 30 |
| 75 | ECXd 700G.117 | 186400 | 120–277 | 700–304 | 23 / 71 | 700 | 54–107 | 7 | > 88 | < 3 |
| 100 | ECXd 700G.118 | 186401 | 120–277 | 917–398 | 70 / 160 | 700 | 70–143 | 8 | > 88 | < 3 |
| 150 | ECXd 700G.119 | 186402 | 120–277 | 1363–591 | 77 / 147 | 700 | 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. | | | |
| 186490 | -30 | +55 | 10 | 85 | -40 | +85 | 5 | 95 | +80 | IP54 | |
| 186400 | -40 | +55 | | | | | | | +85 | | IP65 |
| 186401 | -40 | +55 | | | | | | | +80 | | |
| 186402 | -40 | +55 | | | | | | | +85 | | |

Expected service life time

at operation temperatures at t_c point

| Operation current | Ref. No. | | | |
|-------------------|----------------|--------|----------------|--------|
| | 186400, 186402 | | 186401, 186490 | |
| 700 mA | 75 °C | 85 °C | 70 °C | 80 °C |
| hrs. | 100,000 | 50,000 | 100,000 | 50,000 |

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