

CC LINEAR
DIP SWITCH
DIMMABLE



COMFORTLINE DIP SWITCH L-LV2CH 1-10 V

186410

Typical Applications

Built-in in linear luminaires for

- Office lighting

1-10V

ComfortLine DIP switch L-LV2CH 1-10 V

- **SELECTABLE OUTPUT CURRENT VIA DIP SWITCH**
- **DIMMABLE: 1-10 V**
- **VERY LOW RIPPLE CURRENT: < 1%**
- **SUITABLE FOR EMERGENCY ESCAPE LIGHTING SYSTEMS ACC. TO EN 50172**
- **SELV**
- **LONG SERVICE LIFE: UP TO 100,000 HRS.**
- **PRODUCT GUARANTEE: 5 YEARS**



ComfortLine DIP switch L-LV2CH 1–10 V

Product features

- Linear casing shape
- 2-channel driver

Electrical features

- Mains voltage: 220–240 V $\pm 10\%$
- Mains frequency: 50–60 Hz
- DC operation: 198–264 V, 0 Hz
(can be reduced to 176 V with reduced service life time)
- Push-in terminals: 0.2–1.5 mm²
- Power factor at full load: 0.95
- Open circuit voltage ($U_{max.}$): 60 V
- Secondary side switching of LED modules is not allowed.
- Standby losses: < 0.5 W

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 1 kV (between L und N) and up to 2 kV (between L/N and PE)
- Electronic short-circuit protection
- Overload protection
- Overtemperature protection
- Protection against "no load" operation
- Degree of protection: IP20
- Protection class I
- SELV

Packaging units

Ref. No.	Packaging unit		
	Pieces per box	Boxes per pallet	Weight g
186410	10	140	310



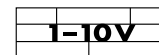
Applied standards

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



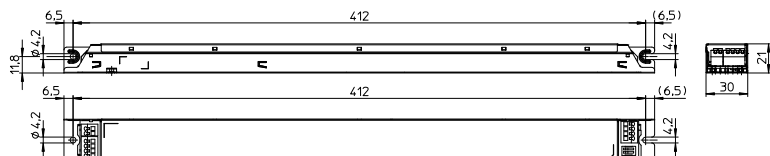
Dimming

Analogue



Dimensions

- Casing: M11.1
- Length: 425 mm
- Width: 30 mm
- Height: 21 mm



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.

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 0 Hz 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 %
2x28.5 / 2x40	ECXd 2700.127	186410	198–264 220–240	490–385 480–400	24 / 90	2x500 / 2x700	17–57	8.2	> 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.		
186410	-20	+50	5	60	-40	+85	5	95	+75	IP20

Expected service life time

at operation temperatures at t_c point

Operation current	Ref. No. 186410	
All	65 °C	75 °C
hrs.	100,000	50,000

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