CC COMPACT





EASYLINE SIMPLE FIX MINI SLIM 100 V

187601, 187602, 187603, 187604

Typical Applications

Built-in in or independent version for

- Shop lighting
- Downlights
- Residential lighting

EasyLine Simple Fix Mini Slim 100 V

- WIDE INPUT VOLTAGE RANGE: 100-240 V
- VERY COMPACT SHAPE
- LONG SERVICE LIFE: UP TO 100.000 HRS.
- PRODUCT GUARANTEE: 5 YEARS



EasyLine Simple Fix Mini Slim 100 V

Product features

- · Compact casing shape
- Fixed output current

Electrical features

- Mains voltage: 100-240 V ±10%
- Mains frequency: 50-60 Hz
- Push-in terminals: 0.5-1.5 mm²
- Power factor at full load: see table "Electrical characteristics" on page 4
- Max. operation voltage without load (U_{max.}):
- Secondary side switching of LED modules is not allowed.

Safety features

- Protection against transient main peaks between L and N up to 1 kV
- Electronic short-circuit protection
- Overload protection
- Protection against "no load" operation
- Degree of protection: IP20
- Protection class II
- SELV
- SVM: < 0.4
- PstLM: < 1

Packaging units

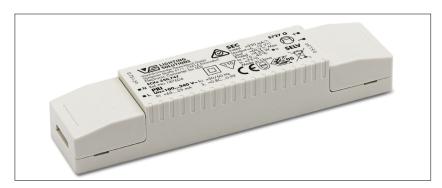
Ref. No.	Packaging unit						
	Pieces	Weight					
	per box	per pallet	g				
187601	50	120	62				
187602	50	120	62				
187603	50	100	76				
187604	50	120	63				

Product guarantee

• 5 years

CC-EasyLine-Simple-Fix-MiniSlim-100V_187601-187602-187603-187604_EN - 2/9 - 07/2025

- for operation at recommended operation temperature (see table for expected service life time on page 4)
- 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

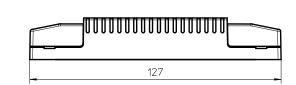
Ref. No.	Casing	Length a (mm)		Height c (mm)			
EasyLine Simple Fix Mini Slim 100 V							
All types	K120	127	27.4	21			

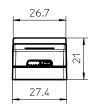
Used standards

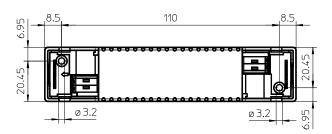
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 61000-3-2
- EN 62384
- EN 55015



Drawing







Electrical characteristics

Max.	Туре	Ref. No.	Voltage	Mains	Inrush	Current	Voltage	THD	Efficiency	Ripple
output			50-60 Hz	current	current	output DC	output	at full load	at full load	100 Hz
W			V	mA	A / µs	mA (± 5 %)	DC (V)	% (230 V)	% (230 V)	%
9	ECXe 700.744	187601	100-240	98/45	14.4/198	700	6-13	15	87	<3
15	ECXe 350.745	187602	100-240	155/70	17.8/182	350	16-42	12	88	<3
21	ECXe 500.746	187603	100-240	225/100	21.4/218	500	16-42	12	88	<3
5	ECXe 350.747	187604	100-240	51/25	12.6/174	350	6-13	12	83	<3

Maximum ratings

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

Ref. No.	Ambient temperature		Operation humidity		Storage temperature		Storage humidity		Max. operation	Degree of
	range		range		range		range		temperature at t _c point	protection
	°C min.	°C max.	% min.	% max.	°C min.	°C max.	% min.	% max.	°C max.	
187601, 187602, 187604	-15	+45	10	90	-40	+85	5	95	+75	IP20
187603									+85	

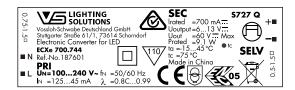
Expected service life time

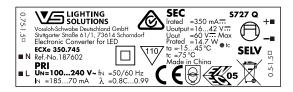
at operation temperatures at t_c point

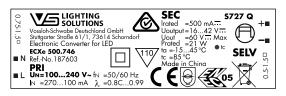
Operation	Ref. No.						
current	187603		187601, 187602, 187604				
all	75 °C*	85 °C	65 °C*	75 °C			
hrs.	100.000	50.000	100.000	50.000			

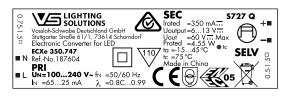
^{*} recommended operation temperature

Product labels

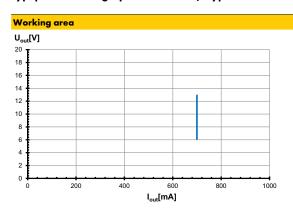


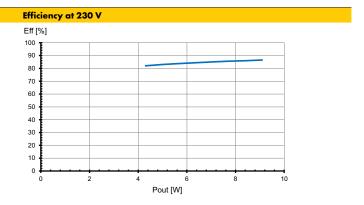


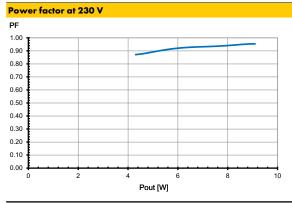


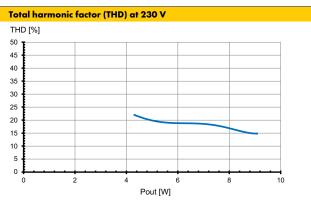




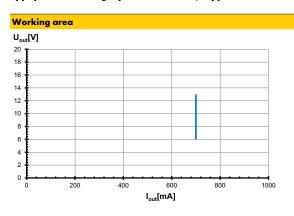


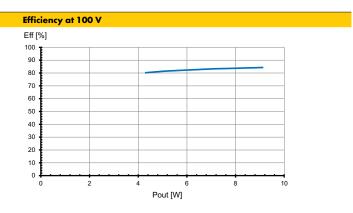


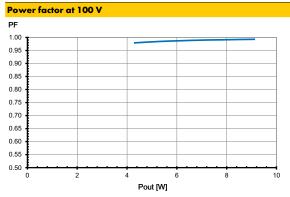


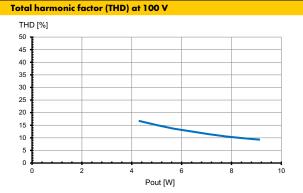


Typ. performance graphs for 187601 / Type ECXe 700.744



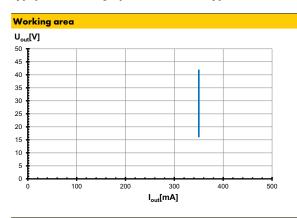


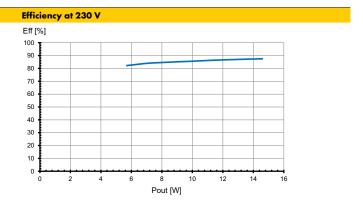


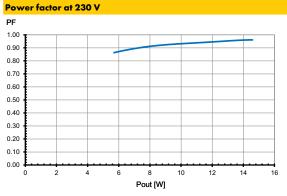


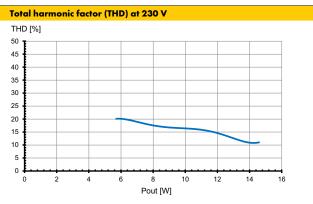


Typ. performance graphs for 187602 / Type ECXe 350.745

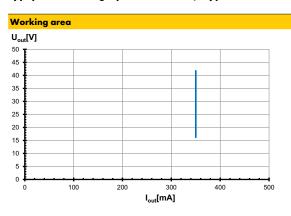


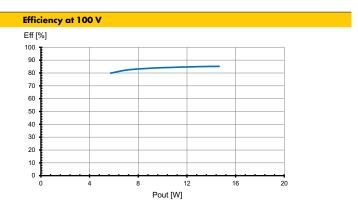


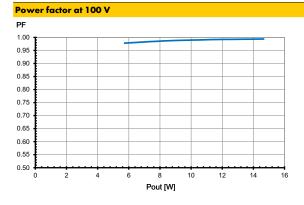


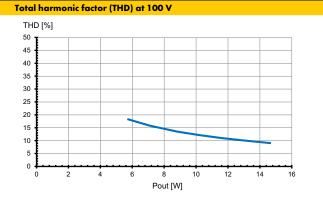


Typ. performance graphs for 187602 / Type ECXe 350.745

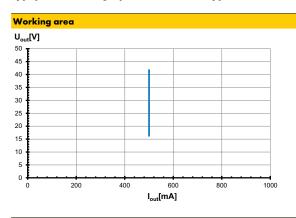


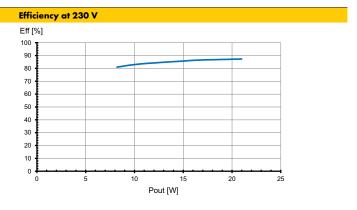


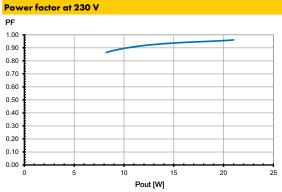


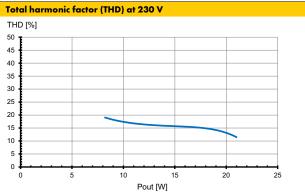


Typ. performance graphs for 187603 / Type ECXe 500.746

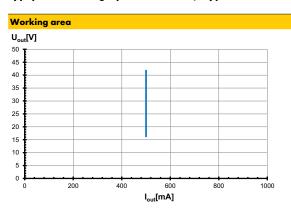


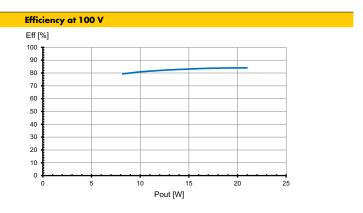


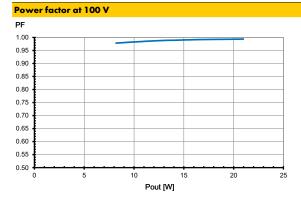


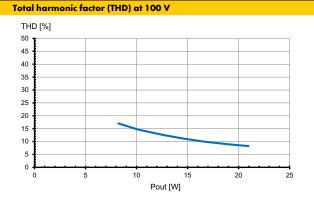


Typ. performance graphs for 187603 / Type ECXe 500.746

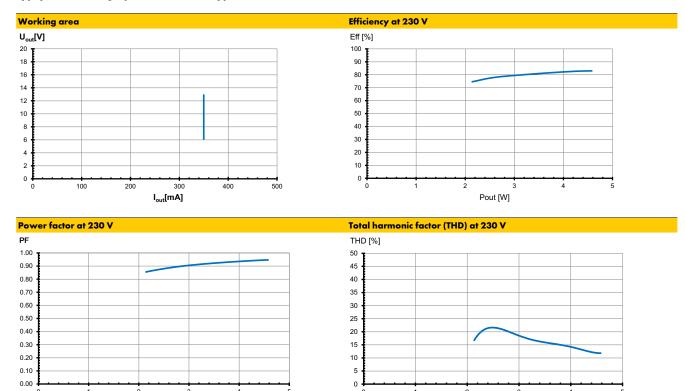




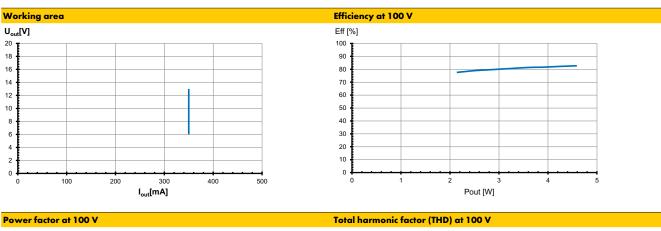




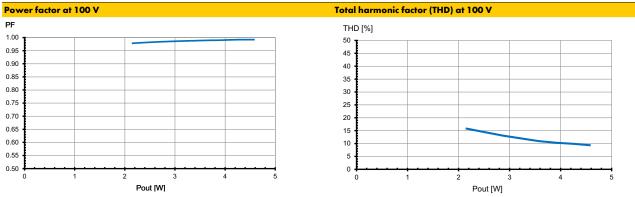
Typ. performance graphs for 187604 / Type ECXe 350.747



Typ. performance graphs for 187604 / Type ECXe 350.747



Pout [W]





LED Drivers – EasyLine Simple Fix Mini Slim 100 V

Safety functions

• Transient mains peaks protection:

Values are in compliance with EN 61547

(interference immunity).

Surges between L–N: up to 1 kV

• Short-circuit protection: The control gear is protected against

short-term short-circuit

• Overload protection: The control gear only works in range of rated

output power and voltage problemfree

(< 60 V DC).

Please check before switch-on mains power supply that the selected LED load is suitable (see Electrical Characteristics on data sheet).

• No load operation:

The control gear is protected against no load

operation (open load).

• If any of the above mentioned safety functions will be triggered, disconnect the control gear from the power supply then find and eliminate the cause of the problem.

Assembly and Safety Information

Installation must be carried out under observation of the relevant regulations and standards. Installation must be carried out in a voltage-free state (i.e. disconnection from the mains). The following advices must be observed; non-observance can result in the destruction of the LED drivers, fire and/or other hazards.

Mandatory regulations

- DIN VDE 0100
- EN 60598-1

Mechanical mounting

• Mounting position: Independent application: Drivers are

allowed to use for independent applications

• Mounting location: Independent LED drivers do not need to be

integrated into a casing.

Installation in outdoor luminaires: degree of protection for luminaire with water protection

rate ≥ 4 (e.g. IP54 required).

• Degree of protection: IP20

• Clearance: Min. 0.10 m from walls. ceilings and

insulation

• Surface: Solid and plane surface for optimum

heat dissipation required.

• Heat transfer: If the driver is destined for installation in a

luminaire. sufficient heat transfer must be ensured between the driver and the luminaire

casing.

LED drivers should be mounted with the greatest possible clearance to heat sources. During operation, the temperature measure at the driver's t_c point must not exceed the

specified maximum value.

• Fastening: Using M3 screws in the designated holes

• Tightening torque: 0.2 Nm

Electrical installation

Connection

terminals: Push-in terminals for rigid or flexible conductors

with a section of 0.5-2.5 mm²

• Stripped length: 8.5-10 mm

• Wiring: The mains conductor within the luminaire must

be kept short (to reduce the induction of

interference).

Mains and lamp conductors must be kept separate and if possible should not be laid

in parallel to one another.

Max. secondary side lead length: 1 m

Polarity: Please ensure the correct polarity of the leads

prior to commissioning. Reversed polarity can

 $destroy\ the\ modules.$

• Through-wiring: Is not allowed.

• Secondary load: The sum of forward voltages of LED loads is

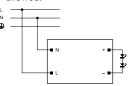
within the tolerances which are mentioned in the Flectrical Characteristics on the data

sheet.

• Parallel wiring:

Parallel connection of LED loads is not allowed.

• Wiring diagram:



Selection of automatic cut-outs for VS LED drivers

• Dimensioning automatic cut-outs

High transient currents occur when an LED driver is switched on because the capacitors have to load. Ignition of LED modules occurs almost simultaneously. This also causes a simultaneous high demand for power. These high currents when the system is switched on put a strain on the automatic conductor cut-outs, which must be selected and dimensioned to suit.

• Release reaction

The release reaction of the automatic conductor cut-outs comply with VDE 0641, part 11, for B. C characteristics. The values shown in the following tables are for guidance purposes only and are subject to system-dependent change.

• No. of LED drivers

The maximum number of VS LED drivers applies to cases where the devices are switched on simultaneously. Specifications apply to single-pole fuses. The number of permissible drivers must be reduced by 20% for multi-pole fuses. The considered circuit impedance equals 400 m Ω (approx. 20 m [2.5 mm²] of conductor from the power supply to the distributor and a further 15 m to the luminaire).

Туре	Ref. No.	Automatic cut-out type and possible no. of VS drivers				
		pcs.				
Automatic cut-or	ıt type	B10	B13	B16	B20	
ECXe 700.744	187601	28	37	45	57	
ECXe 350.745	187602	25	33	40	50	
ECXe 500.746	187603	17	22	27	34	
ECXe 350.747	187604	37	48	60	75	
Automatic cut-or	Automatic cut-out type		C13	C16	C20	
ECXe 700.744	187601	47	62	76	95	
ECXe 350.745	187602	42	55	67	84	
ECXe 500.746	187603	29	37	46	58	
ECXe 350.747	187604	62	81	100	125	

