

## OT FIT 60/220-240/12 P

CV Power supplies 12 V

### Product family features



### Product family benefits

- Versatile scope of application due to output power range of up to 300 W
- Very high efficiency
- IP rating: up to IP66/IP67
- High surge protection: up to 6 kV (L-N) / 6 kV (L/N-PE)

## Areas of application

- Suitable for indoor and outdoor installations
- Ideal for mounting in very tight spaces

## Technical data

### Electrical data

Nominal input voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage AC	198...264 V
Total harmonic distortion	< 5 % <sup>1)</sup>
Power factor $\lambda$	0.90C...0.96 <sup>2)</sup>
Efficiency in full-load	87 % <sup>3)</sup>
Device power loss	8.6 W
Inrush current	45 A <sup>4)</sup>
Max. ECG no. on circuit breaker 10 A (B)	6
Max. ECG no. on circuit breaker 16 A (B)	13
Surge capability (L/N-Ground)	6 kV
Surge capability (L-N)	6 kV
Nominal output voltage	12.5 V
U-OUT (working voltage)	13 V
Nominal output power	60 W
Maximum output power	60 W <sup>5)</sup>
Galvanic isolation	SELV

1) At full load, 230 V, 50 Hz / see graphs

2) Typical, Full load, 230 VAC, 50 Hz / 60 Hz

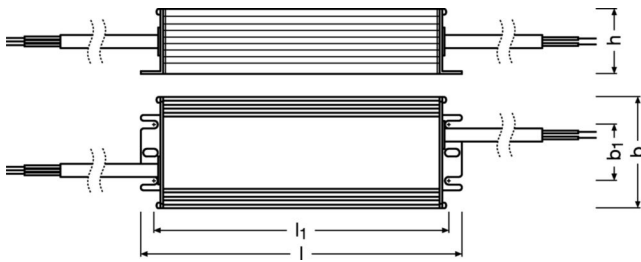
3) at 230 V, 50 Hz

4) At Full Load, 240VAC, Cold Start

Duration=250uS 50% I<sub>pk</sub>—50% I<sub>pk</sub>

5) at steady state

## Dimensions & weight



<b>Length</b>	157.0 mm
<b>Width</b>	53.0 mm
<b>Height</b>	31.5 mm
<b>Mounting hole spacing, length</b>	153.0 mm
<b>Mounting hole spacing, width</b>	27.0 mm
<b>Cable cross-section, input side</b>	1.0 mm <sup>2 1)</sup>
<b>Cable cross-section, output side</b>	1.0 mm <sup>2 2)</sup>
<b>Wire preparation length, input side</b>	60 mm
<b>Wire preparation length, output side</b>	10 mm
<b>Product weight</b>	473.00 g

1) H05RN-F/3x1.0 mm<sup>2</sup>

2) H05RN-F/2x1.0 mm<sup>2</sup>

## Colors & materials

<b>Casing material</b>	Metal
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## Temperatures & operating conditions

<b>Ambient temperature range</b>	-40...+50 °C
<b>Maximum temperature at tc test point</b>	80 °C
<b>Temperature range at storage</b>	-40...+85 °C
<b>Permitted rel. humidity during operation</b>	5...85 % <sup>1)</sup>

1) Non-condensing

## Lifespan

<b>ECG lifetime</b>	50000 h <sup>1)</sup>
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1)  $T_c = 80^\circ\text{C}$ , 0.2% / 1,000 h failure rate

## Capabilities

<b>Dimmable</b>	No
<b>Suitable for fixtures with prot. class</b>	I
<b>Type of connection, input side</b>	Wires
<b>Type of connection, output side</b>	Wires
<b>Number of channels</b>	1
<b>Overheating protection</b>	Automatic reversible
<b>Overload protection</b>	Automatic reversible
<b>Short-circuit protection</b>	Automatic reversible
<b>Intended for no-load operation</b>	No
<b>No-load proof</b>	Yes

## Certificates & standards

Approval marks – approval	CE / CCC / ENEC / TISI / RCM
Standards	EN 61347-1 / EN 61347-2-13 / EN 55015 / EN 61547 / EN 61000-3-2 / EN 61000-3-3 / EN 60598-1 / EN 62384
Type of protection	IP66/IP67

## Logistical data

Commodity code	85044083900
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## Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	31-03-2026
Primary Article Identifier	4062172133487   6977770438613
Declaration No. in SCIP database	In work
SCIP_STATUS	In work
SCIP_ID	

## Ecodesign regulation information:

Intended for use with LED modules.

The forward voltage of the LED light source shall be within the defined operating window of the control gear in all operating conditions including dimming if applicable.

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

## Download Data

File		
Product Datasheet	PDF	▶OT FIT 60_220-240_12_P 6977770438613 TDS 310326
CAD data 3-dim	Compressed	▶OT FIT 60 220-240 12 P - 3D stp file
User instruction	PDF	▶G15130800 UI_OT FIT 60_150_300 P_8P_MiCh_INV v1

## Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
6977770438613 INVENTRONICS	OT FIT 60/220-240/12 P	Shipping carton box 15 Pieces	349 x 224 x 153 mm	11.96 dm <sup>3</sup>	495.33 g

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit

## Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.