

PRODUCT DATASHEET

OT FIT 20/220...240/500 CS

OPTOTRONIC® FIT CS | Constant Current - Indoor - on/off



Areas of application

- Suitable for downlights, spotlights and LED panels
- Suitable for luminaires of protection classes I and II

Product benefits

- High quality of light thanks to low output ripple current
- High flexibility due to four different output currents
- Small housing for flexible luminaire designs
- High efficiency

Product features

- Supply voltage: 220...240 V
- Line frequency: 50 Hz | 60 Hz
- Line voltage: 198...264 V
- According to EN 61347-1, 61347-2-13, 62384
- RI suppression: to EN 55015
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547
- Lifetime: up to 50,000 h (temperature at $T_c = 70\text{ °C}$, max. 10 % failure rate)
- Cable clamp kit for independent mounting

TECHNICAL DATA

Electrical data

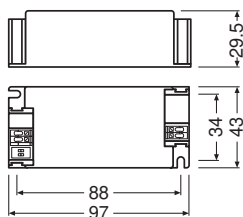
Nominal wattage	20.00 W
Nominal output power	6.5...21 W
Nominal voltage	220...240 V
Nominal output voltage	25...42 V
Input voltage AC	198...264 V
U-OUT (working voltage)	60 V
Nominal current	0.1 A
Nominal output current	250 mA / 350 mA / 450 mA / 500 mA
Inrush current	16 A
Output current tolerance	±7,5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50/60 Hz
Total harmonic distortion	< 10 % ¹⁾
Power factor λ	0.98
ECG efficiency	87 % ²⁾
Device power loss	3,0 W ³⁾
Max. ECG no. on circuit breaker 10 A (B)	32
Max. ECG no. on circuit breaker 16 A (B)	50
Max. ECG no. on circuit breaker 25 A (B)	-
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV

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

²⁾ At full load and 230 V / At 50 Hz

³⁾ At 230 V, Input power 24 W max.

Dimensions & Weight



Length	97.0 mm
Mounting hole spacing, length	88,0 mm
Width	43.00 mm
Height	29.50 mm
Cable cross-section, input side	0.5...1.5 mm ²
Cable cross-section, output side	0.5...1.5 mm ²
Wire preparation length, input side	7...8 mm
Wire preparation length, output side	7...8 mm
Product weight	85.00 g

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h / 30000 h ¹⁾
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¹⁾ T_c = 70°C, with max. 10% failure rate / T_c = 80°C, with max. 10% failure rate

Additional product data

Encapsulated	No
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Capabilities

Dimmable	No
Overheating protection	Automatic reversible
Overload protection	Automatic reversible
No-load proof	Yes
Short-circuit protection	Automatic reversible
Max. cable length to lamp/LED module	2,0 m
Suitable for fixtures with prot. class	II
Type of connection, output side	Push terminal

Certificates & Standards

Approval marks – approval	CCC / CE / RCM / ENEC 05
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Standards	Acc. to IEC 61347-1 / Acc. to IEC 61347-2-13 / Acc. to IEC 62384 / Acc. to CISPR 15 / Acc. to IEC 61000-3-2 / Acc. to IEC 61000-3-3 / Acc. to IEC 61547
Protection class	II
Type of protection	IP20

LOGISTICAL DATA

Temperature range at storage	-20...80 °C
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DOWNLOAD DATA

Documents and certificates

 PDF	User instruction
 PDF	Declarations Of Conformity CE
 PDF	Certificates

CAD/BIM files

 ZIP	CAD data 3D PDF
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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899435612	Unpacked 1			
4052899435629	Shipping box 20	228 mm x 208 mm x 78 mm	1806.00 g	3.70 dm ³

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.