PRODUCT DATASHEET
OT FIT 75/220-240/1A6 CS

OPTOTRONIC© FIT CS G3 | 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

- Higher 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

- Lifetime: up to 50,000 h (temperature at max. t_C)
- Cable clamp kit for independent mounting

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TECHNICAL DATA

Electrical data

Nominal wattage	75.00 W
Nominal output power	32.5…77 W
Nominal voltage	220…240 V
Nominal output voltage	27…57 V / 27…42 V [1)]
Input voltage AC	198…264 V
U-OUT (working voltage)	70 V
Nominal current	0.37 A
Nominal output current	1200 mA / 1350 mA / 1500 mA / 1650 mA
Inrush current	40 A [2)]
Output current tolerance	7,5 %
Output ripple current (100 Hz)	< 5 %
Mains frequency	50/60 Hz
Maximum total harmonic distortion	< 10 % [3)]
Power factor λ	0.98
ECG efficiency	91 % [4)]
Device power loss	8.6 W [5)]
Max. ECG no. on circuit breaker 10 A (B)	16
Max. ECG no. on circuit breaker 16 A (B)	26
Surge capability (L/N-Ground)	2 kV
Surge capability (L-N)	1 kV
Galvanic isolation	SELV
Flickering metric (Pst LM)	≤1

1) At output current 1200/1350 mA / At output current 1500/1650 mA

2) t_{width} = 200 µs (measured at 50 % I_{peak})

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

4) At full load and 230 V / At 50 Hz

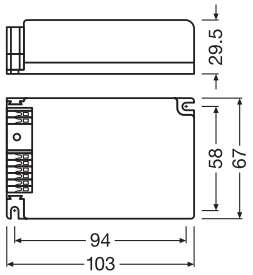
5) At 230 V, Input power 85.5 W max.

Photometrical data

Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

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Dimensions & Weight



Length	103.00 mm
Mounting hole spacing, length	94,0 mm
Width	67.00 mm
Height	29.50 mm
Cable cross-section, input side	0.5…1.5 mm² / 0.75…1.5 mm² 1)
Cable cross-section, output side	0.5…1.5 mm² / 0.75…1.5 mm² 1)
Wire preparation length, input side	7…8 mm
Wire preparation length, output side	7…8 mm
Product weight	170.00 g

1) Solid/ Flexible Leads

Colors & materials

Casing material	Plastic
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+50 °C 1)
Maximum temperature at tc test point	80 °C
Max.housing temperature in case of fault	110 °C
Permitted rel. humidity during operation	5…85 % 2)

1) At output current 1200/1350/1500 mA / At output current 1650 mA

2) Non-condensing

Lifespan

ECG lifetime	50000 h / 30000 h 1)

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	I / II
Type of connection, output side	Push terminal

Certificates & Standards

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

LOGISTICAL DATA

Temperature range at storage	-20…80 °C

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	OPTOTRONIC LED Power Supply
PDF	Declarations of conformity	EU Declaratiom of Conformity 3667905
PDF	Certificates	OT FIT 75 CS DEKRA 35 106549 160620

	CAD/BIM files	Document name
STEP	CAD STEP 3D	3D_OT_FIT_75_CS_STEP
ZIP	CAD data 3D PDF	OT FIT 75/1A6 CS - built in pdf

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899999565	Unpacked 1		170.00 g	
4052899999572	Shipping box 20	353 mm x 223 mm x 101 mm	3742.00 g	7.95 dm^3

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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.

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