

ICUTRONIC IT FIT D CS L (non-isolated)

Linear / Area Constant Current – Non dimmable



Areas of application

- Linear and area lighting
- Office, industrial and shop lighting

Product family benefits

- Flexible with 1 driver offers 4 output currents
- High quality light with very low ripple
- Very high efficiency
- Enable slim fixture design with flat 21 mm height metal housing
- Long lasting and high reliability
- Non-isolated driver

Product family features

- Low THD <15% @ full load
- Input voltage: 220 – 240 VAC
- Ambient temp range ta: -25 to +50 °C
- Wide output voltage range
- Low LF-ripple < 5%
- Fixed output (no dimming)
- 5 years guarantee*

Product family datasheet

Technical data

Electrical data

Product description	Nominal input voltage	Mains frequency	Input voltage AC	Current set	Power factor λ
IT FIT 18/220...240/350 CS D L	220...240 V	50/60 Hz	198...264 V	DipSwitch	0.85C...0.98 ₁₎
IT FIT 40/220...240/350 CS D L	220...240 V	50/60 Hz	198...264 V	DipSwitch	0.85C...0.98 ₁₎
IT FIT 60/220...240/350 CS D L	220...240 V	50/60 Hz	198...264 V	DipSwitch	0.90C...0.98 ₁₎
IT FIT 75/220...240/550 CS D L	220...240 V	50/60 Hz	198...264 V	DipSwitch	0.94C...0.98 ₁₎

Product description	Efficiency in full-load	Device power loss	Inrush current	Max. ECG no. on circuit breaker 10 A (B)	Max. ECG no. on circuit breaker 10 A (C)
IT FIT 18/220...240/350 CS D L	87 % ²⁾	2.8 W	7.7 A ³⁾	46	72
IT FIT 40/220...240/350 CS D L	92 % ²⁾	3.65 W	21.7 A ³⁾	22	33
IT FIT 60/220...240/350 CS D L	93 % ²⁾	4.6 W	29.9 A ³⁾	15	24
IT FIT 75/220...240/550 CS D L	93 % ²⁾	5.63 W	30.9 A ³⁾	12	19

Product description	Max. ECG no. on circuit breaker 16 A (B)	Max. ECG no. on circuit breaker 16 A (C)	Max. ECG no. on circuit breaker 25 A (B)	Surge capability (L/N-Ground)	Surge capability (L-N)
IT FIT 18/220...240/350 CS D L	74	115	-	2 kV ⁴⁾	1 kV ⁵⁾
IT FIT 40/220...240/350 CS D L	34	54	-	2 kV ⁴⁾	1 kV ⁵⁾
IT FIT 60/220...240/350 CS D L	25	38	-	2 kV ⁴⁾	1 kV ⁵⁾
IT FIT 75/220...240/550 CS D L	19	30	-	2 kV ⁴⁾	1 kV ⁵⁾

Product description	Nominal output voltage	Nominal output current	Output ripple current (100 Hz)	Output PSTLM
IT FIT 18/220...240/350 CS D L	23...54 V ⁶⁾	200 / 250 / 300 / 350 mA ⁷⁾	< 5 %	≤1
IT FIT 40/220...240/350 CS D L	40...120 V ⁶⁾	200 / 250 / 300 / 350 mA ⁷⁾	< 5 %	≤1
IT FIT 60/220...240/350 CS D L	90...175 V ⁶⁾	200 / 250 / 300 / 350 mA ⁷⁾	< 5 %	≤1
IT FIT 75/220...240/550 CS D L	90...216 V ⁹⁾	350 / 400 / 500 / 550 mA ⁷⁾	< 5 %	≤1

Product description	Output SVM	Nominal output power	Maximum output power	Total harmonic distortion
IT FIT 18/220...240/350 CS D L	≤0.4	5...18.9 W	18.9 W	< 15 % ⁸⁾
IT FIT 40/220...240/350 CS D L	≤0.4	8...42 W	42 W	< 15 % ⁸⁾

Product family datasheet

Product description	Output SVM	Nominal output power	Maximum output power	Total harmonic distortion
IT FIT 60/220...240/350 CS D L	≤0.4	20.7...61.2 W	61.2 W	< 15 % ⁸⁾
IT FIT 75/220...240/550 CS D L	≤0.4	31.5...75 W	75 W	< 15 % ⁸⁾

Product description	Default output current	U-OUT (working voltage)
IT FIT 18/220...240/350 CS D L	350 mA	250 V
IT FIT 40/220...240/350 CS D L	350 mA	250 V
IT FIT 60/220...240/350 CS D L	350 mA	250 V
IT FIT 75/220...240/550 CS D L	550 mA	250 V

1) Full load at 220...240 V_{AC} /50 Hz

2) at 230 V, 50 Hz

3) $t_{width} = 220 \mu s$ typical (measured at 50 % I_{peak})

4) L/N – PE acc to EN 61547 Clause 5.7

5) L/N

6) At 200/250 mA output current / At 300/350 mA output current

7) ±5%

8) At full load

9) At 350 mA output / At 400 mA output / At 450 mA output / At 550 mA output

Dimensions & weight

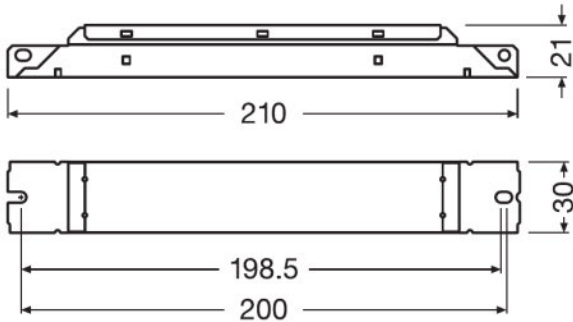
Product description	Mounting hole spacing, length	Product weight	Cable cross-section, input side	Cable cross-section, output side	Wire preparation length, input side
IT FIT 18/220...240/350 CS D L	200.0 mm	99.00 g	0.5...1.5 / 0.75...1.5 mm ² 1)	0.5...1.5 mm ² 1)	7...8 mm
IT FIT 40/220...240/350 CS D L	200.0 mm	116.00 g	0.5...1.5 / 0.75...1.5 mm ² 1)	0.5...1.5 mm ² 1)	7...8 mm
IT FIT 60/220...240/350 CS D L	200.0 mm	124.00 g	0.5...1.5 / 0.75...1.5 mm ² 1)	0.5...1.5 mm ² 1)	7...8 mm
IT FIT 75/220...240/550 CS D L	200.0 mm	129.00 g	0.5...1.5 / 0.75...1.5 mm ² 1)	0.5...1.5 mm ² 1)	7...8 mm

Product description	Height	Width	Length	Wire preparation length, output side
IT FIT 18/220...240/350 CS D L	21.0 mm	30.0 mm	210.0 mm	7...8 mm
IT FIT 40/220...240/350 CS D L	21.0 mm	30.0 mm	210.0 mm	7...8 mm
IT FIT 60/220...240/350 CS D L	21.0 mm	30.0 mm	210.0 mm	7...8 mm
IT FIT 75/220...240/550 CS D L	21.0 mm	30.0 mm	210.0 mm	7...8 mm

1) Solid/ Flexible Leads

Product family datasheet

Product line drawing



IT FIT 18/220...240/350 CS D L, IT FIT 40/220...240/350 CS D L, IT FIT 60/220...240/350 CS D L, IT FIT 75/220...240/550 CS D L

Colors & materials

Product description	Casing material
IT FIT 18/220...240/350 CS D L	Metal
IT FIT 40/220...240/350 CS D L	Metal
IT FIT 60/220...240/350 CS D L	Metal
IT FIT 75/220...240/550 CS D L	Metal

Temperatures & operating conditions

Product description	Ambient temperature range	Maximum temperature at tc test point	Max.housing temperature in case of fault	Temperature range at storage
IT FIT 18/220...240/350 CS D L	-25...+50 °C	75 °C	110 °C	-25...80 °C
IT FIT 40/220...240/350 CS D L	-25...+50 °C	75 °C	110 °C	-25...80 °C
IT FIT 60/220...240/350 CS D L	-25...+50 °C	75 °C	110 °C	-25...80 °C
IT FIT 75/220...240/550 CS D L	-25...+50 °C	75 °C	110 °C	-25...80 °C

Product description	Permitted rel. humidity during operation
IT FIT 18/220...240/350 CS D L	5...85 % ¹⁾
IT FIT 40/220...240/350 CS D L	5...85 % ¹⁾

Product family datasheet

Product description	Permitted rel. humidity during operation
IT FIT 60/220...240/350 CS D L	5...85 % ¹⁾
IT FIT 75/220...240/550 CS D L	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

Product description	ECG lifetime
IT FIT 18/220...240/350 CS D L	50000 / 100000 h ¹⁾
IT FIT 40/220...240/350 CS D L	50000 / 100000 h ¹⁾
IT FIT 60/220...240/350 CS D L	50000 / 100000 h ¹⁾
IT FIT 75/220...240/550 CS D L	50000 / 100000 h ¹⁾

¹⁾ At maximum $T_c = 70^\circ\text{C}$ / 10% failure rate

Additional product data

Product description	Encapsulated	Predecessor EAN
IT FIT 18/220...240/350 CS D L	No	4052899617384
IT FIT 40/220...240/350 CS D L	No	4052899617391
IT FIT 60/220...240/350 CS D L	No	4052899617407
IT FIT 75/220...240/550 CS D L	No	4052899617414

Capabilities

Product description	Dimmable	Overheating protection	Overload protection
IT FIT 18/220...240/350 CS D L	No	Automatic reversible	Automatic reversible
IT FIT 40/220...240/350 CS D L	No	Automatic reversible	Automatic reversible
IT FIT 60/220...240/350 CS D L	No	Automatic reversible	Automatic reversible
IT FIT 75/220...240/550 CS D L	No	Automatic reversible	Automatic reversible

Product description	Short-circuit protection	No-load proof	Intended for no-load operation	Max. cable length to lamp/LED module
IT FIT 18/220...240/350 CS D L	Automatic reversible	Yes	No	2.0 m ¹⁾
IT FIT 40/220...240/350 CS D L	Automatic reversible	Yes	No	2.0 m ¹⁾
IT FIT 60/220...240/350 CS D L	Automatic reversible	Yes	No	2.0 m ¹⁾
IT FIT 75/220...240/550 CS D L	Automatic reversible	Yes	No	2.0 m ¹⁾

Product description	Suitable for fixtures with prot. class	Number of channels
IT FIT 18/220...240/350 CS D L	I / II	1
IT FIT 40/220...240/350 CS D L	I / II	1
IT FIT 60/220...240/350 CS D L	I / II	1
IT FIT 75/220...240/550 CS D L	I / II	1

Product family datasheet

¹⁾ Output wires must be routed as close as possible to each other

Certificates & standards

Product description	Approval marks – approval	Standards	Type of protection
IT FIT 18/220...240/350 CS D L	CE / ENEC / CCC / RCM / BIS / EAC / UKCA / TISI	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 6100-4-5	IP20
IT FIT 40/220...240/350 CS D L	CE / ENEC / CCC / RCM / BIS / EAC / UKCA / TISI	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 6100-4-5	IP20
IT FIT 60/220...240/350 CS D L	CE / ENEC / CCC / RCM / BIS / EAC / UKCA / TISI	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 6100-4-5	IP20
IT FIT 75/220...240/550 CS D L	CE / ENEC / CCC / RCM / BIS / EAC / UKCA / TISI	Acc. to IEC 61347-1/Acc. to IEC 61347-2-13/Acc. to IEC 62384/Acc. to IEC 61000-3-2/Acc. to IEC 61547/Acc. to IEC 6100-4-5	IP20

Logistical data

Product description	Commodity code
IT FIT 18/220...240/350 CS D L	85044083900
IT FIT 40/220...240/350 CS D L	85044083900
IT FIT 60/220...240/350 CS D L	85044083900
IT FIT 75/220...240/550 CS D L	85044083900

Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
IT FIT 18/220...240/350 CS D L	29-11-2023	4062172212649	Lead
IT FIT 40/220...240/350 CS D L	29-11-2023	4062172212687	Lead
IT FIT 60/220...240/350 CS D L	29-11-2023	4062172212748	Lead
IT FIT 75/220...240/550 CS D L	29-11-2023	4062172212786	Lead

Product family datasheet

Product description	CAS No. of substance 1	Safe Use Instruction	Declaration No. in SCIP database
IT FIT 18/220...240/350 CS D L	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	9a4bd138-7d81-4daa-a92e-5ccb58644cc2
IT FIT 40/220...240/350 CS D L	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	0740da1d-5421-489d-b403-b2a36d9f4def
IT FIT 60/220...240/350 CS D L	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	cfd9e735-14a7-4046-a045-3c0e7adea41b
IT FIT 75/220...240/550 CS D L	7439-92-1	The identification of the Candidate List substance is sufficient to allow safe use of the article.	1acd9815-8ee5-447f-acaf-64a04b02553d









Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

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File
 User instruction User instruction
 Certificates IT FIT CS L DEKRA 35 117749 080321
 Certificates IT FIT CS L CB NL 71241 080321
 Certificates IT FIT CS L CB NL 100907 231023
 Certificates IT FIT CS L DEKRA 35 120271 201123
 Certificates IT FIT 18 CS D L CCC 2020171002003125 281123
 Certificates IT FIT 40 CS D L CCC 2020171002003124 281123
 Certificates IT FIT 60 75 CS D L CCC 2020171002003123 281123

Product family datasheet

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172212649	IT FIT 18/220...240/350 CS D L	Shipping carton box 20	237 mm x 162 mm x 130 mm	4.99 dm ³	2289.00 g
4062172212687	IT FIT 40/220...240/350 CS D L	Shipping carton box 20	237 mm x 162 mm x 130 mm	4.99 dm ³	2629.00 g
4062172212748	IT FIT 60/220...240/350 CS D L	Shipping carton box 20	237 mm x 162 mm x 130 mm	4.99 dm ³	2789.00 g
4062172212786	IT FIT 75/220...240/550 CS D L	Shipping carton box 20	237 mm x 162 mm x 130 mm	4.99 dm ³	2889.00 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.