

QT-FIT5 1X49

QUICKTRONIC FIT 5 | ECG for FL 16 mm



Product family features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 50 Hz | 60 Hz
- Lamp start with optimum filament preheating
- Energy Efficiency Index EEI: A2
- Automatic shutdown of defective lamps and at end of life (EoL T.2)
- Lamp operation: to EN 60929
- Safety: to EN 61347-2-3

Product family benefits

- Long lamp life
- No adverse effect from frequent on/off switching
- Automatic restart after lamp replacement
- Perfect lamp start for applications with motion sensors
- VDE/VDE EMC certified system
- Very high energy efficiency due to cut-off technology

Areas of application

- Open-plan offices, corridors and storage rooms
- Public buildings
- Strip lighting
- Suitable for luminaires of protection class I
- Modernization of existing systems

Product datasheet

Technical data

Electrical data

Input voltage AC	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage DC	186...276 V ¹⁾
Maximum output power	49 W
Efficiency in full-load	93 % ²⁾
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	17 ³⁾
Max. ECG no. on circuit breaker 16 A (B)	28 ³⁾
Inrush current	24 A

¹⁾ Minimum voltage for lamp ignition: 198 V, 185...198 V for maximum 1 h

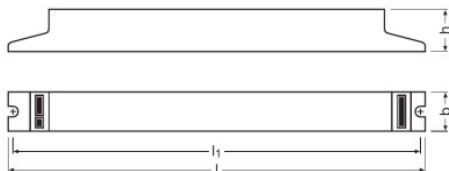
²⁾ at 230 V, 50 Hz

³⁾ Type B

Light technical data

Starting time	2.0 s
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Dimensions & weight



Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Product weight	155.00 g
Cable cross-section, output side	0.5...1.5 mm ² ¹⁾
Cable cross-section, input side	0.5...1.5 mm ² ¹⁾

¹⁾ Solid leads

Product datasheet

Temperatures & operating conditions

Ambient temperature range	-15...+50 °C
Permitted rel. humidity during operation	5...85 % ¹⁾

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	50000 h
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Expected Lifetime

Product name	Lamp group				
QT-FIT5 1X49	HO 49 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000

Additional product data

Suitable for lamp power (1 lamp)	49 W
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Capabilities

Suitable for fixtures with prot. class	I
End of lamp life safety shutdown	EOL T.2
Max. cable length to lamp/LED module	2.0 m / 1.0 m
Dimmable	No
Intended for no-load operation	No

Certificates & standards

Approval marks – approval	VDE / ENEC 10 / VDE-EMC
EEL – Energy Label	A2
Standards	Acc. to EN 61347-2-12/IEC 61347-2-12/Acc. to EN 55015:2006 + A1:2007 + A2:2009/Acc. to EN 61000-3-2/IEC 61000-3-2/Acc. to EN 61547/IEC 61547
Protection class	III
Type of protection	IP20

Logistical data

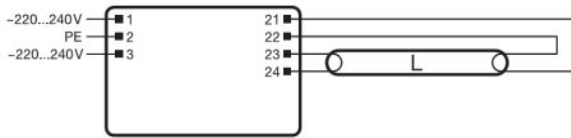
Commodity code	85041080900
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Environmental information

Product datasheet

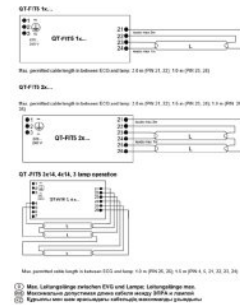
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	09-06-2023
Primary Article Identifier	4008321832139
Candidate List Substance 1	Lead
CAS No. of substance 1	7439-92-1
Safe Use Instruction	The identification of the Candidate List substance is sufficient to allow safe use of the article.
Declaration No. in SCIP database	Ode9faaf-d417-4b1e-9eab-ed6f4d21aee4

Wiring Diagram



QUICKTRONIC® FIT T5

	QT FIT5 1x14 20	QT FIT5 1x16 20	QT FIT5 1x18 20	QT FIT5 1x20 20	QT FIT5 1x22 20	QT FIT5 1x24 20
TABLE 1	11.2	12.6	14.0	15.4	16.8	18.2
TABLE 2	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 3	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 4	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 5	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 6	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 7	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 8	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 9	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 10	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 11	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 12	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 13	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 14	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 15	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 16	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 17	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 18	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 19	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 20	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 21	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 22	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 23	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 24	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 25	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 26	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 27	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 28	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 29	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 30	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 31	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 32	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 33	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 34	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 35	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 36	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 37	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 38	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 39	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 40	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 41	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 42	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 43	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 44	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 45	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 46	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 47	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 48	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 49	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 50	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 51	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 52	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 53	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 54	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 55	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 56	100.00	100.00	100.00	100.00	100.00	100.00
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TABLE 60	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 61	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 62	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 63	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 64	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 65	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 66	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 67	100.00	100.00	100.00	100.00	100.00	100.00
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TABLE 69	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 70	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 71	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 72	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 73	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 74	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 75	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 76	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 77	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 78	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 79	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 80	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 81	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 82	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 83	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 84	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 85	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 86	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 87	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 88	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 89	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 90	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 91	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 92	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 93	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 94	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 95	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 96	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 97	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 98	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 99	100.00	100.00	100.00	100.00	100.00	100.00
TABLE 100	100.00	100.00	100.00	100.00	100.00	100.00



319607_QT-FIT8 1x..

592456_EAC QT-FIT5








Additional product information

- In order to achieve good radio interference suppression:1. Keep the cable between ECG and lamp as short as possible.2. The single lamp wires must be routed as close as possible to each other, whereas the lines of the different lamp ends must be routed separately.

Download Data

File

Product datasheet

	User instruction QUICKTRONIC QT FIT5
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Product Datasheet 342812_QT-FIT5
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 683441_ENEC-Marks approvals
	Declarations of conformity QUICKTRONIC CE 3364256 060923
	CAD data PDF 339599_CAD QT-FIT5

Ecodesign regulation information:

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
4008321832139	QT-FIT5 1X49	Shipping carton box 20	312 mm x 165 mm x 98 mm	5.05 dm ³	3241.00 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.

QT-FIT5 1X49

QUICKTRONIC FIT 5 | ECG for FL 16 mm

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor λ [PIM]	Luminous flux at 35 °C	Number of lighting outlets
QT-FIT5 1X49	HO 49 W	0.24 A	54.00 W	0.98	4300 lm	1