

QTP5 1X14...35

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm



Product family features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Lamp start with optimum filament preheating
- Lifetime: up to 100,000 h (temperature at $T_c = 65$ °C, max. 10 % failure rate)
- Energy Efficiency Index EEI: A2 BAT
- Automatic shutdown of defective lamps and at end of life (EoL T.2)
- Safety: to EN 61347-2-3
- Lamp operation: to EN 60929

Product family benefits

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

Areas of application

- Emergency lighting systems acc. to EN 50172 / DIN VDE 0108-100
- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Sports halls and factories
- Strip lighting
- Suitable for emergency lighting (DC operation)
- Modernization of existing systems
- Suitable for luminaires of protection classes I and II

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	176...276 V
Maximum output power	35 W
Efficiency in full-load	91 % ¹⁾
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	17 ²⁾
Max. ECG no. on circuit breaker 16 A (B)	28 ²⁾
Inrush current	24 A

¹⁾ at 230 V, 50 Hz

²⁾ Type B

Light technical data

Starting time	1.0 s ¹⁾
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¹⁾ If there is a temporary interruption in the power supply (< 0.5 s), the lamp will start within 0.3 s

Dimensions & weight



Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Product weight	171.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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Product datasheet

Permitted rel. humidity during operation	5...85 % ¹⁾
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¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	100000 h ¹⁾
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¹⁾ At $T_{case} = 65^{\circ}C$ at T_c point / 10% failure rate

Expected Lifetime

Product name	Lamp group				
QTP5 1X14...35	HE 35 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	50	60	65
		Lifetime [h]	100000	100000	90000

Additional product data

Suitable for lamp power (1 lamp)	14...35 W
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Capabilities

Suitable for fixtures with prot. class	I / II
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 / VDE-EMC / CE / ENEC 10
EEL – Energy Label	A2 BAT
Standards	Acc. to EN 61347-2-3/Acc. to EN 60929/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547
Protection class	III
Type of protection	IP20

Logistical data

Commodity code	850410809000
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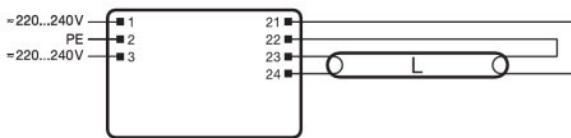
Environmental information

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

Product datasheet

Date of Declaration	14-04-2022
Primary Article Identifier	4008321329035
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	f46a4794-2b69-4bee-9ec2-47f69f45cedc

Wiring Diagram



QUICKTRONIC® QTP5

	QTP5 1x14	QTP5 1x18	QTP5 1x24	QTP5 1x30	QTP5 1x36	QTP5 1x42
LED	14	18	24	30	36	42
Power	10 W	15 W	20 W	30 W	36 W	42 W
Current	0.35 A	0.50 A	0.67 A	1.00 A	1.20 A	1.40 A
Life	50,000 h	50,000 h	50,000 h	50,000 h	50,000 h	50,000 h
Temp. range	-25°C to +35°C	-25°C to +35°C	-25°C to +35°C	-25°C to +35°C	-25°C to +35°C	-25°C to +35°C

QTP5 1x14-30, QTP5 1x18-36, QTP5 1x24-42



Max. permitted cable length in between ECG and lamp: 0.5 m (QTP5 1x14, 1x18, 1x24) / 1.0 m (QTP5 1x30, 1x36, 1x42)

QTP5 1x36-42, QTP5 2x18



Max. permitted cable length in between ECG and lamp: 0.5 m (QTP5 1x36, 1x42, 2x18) / 1.0 m (QTP5 2x18)

QTP5 4x14



Max. permitted cable length in between ECG and lamp: 1.0 m (QTP5 4x14, 1x30, 1x36, 1x42) / 1.5 m (QTP5 1x14, 1x18, 1x24)

ⓘ Min. Leiterabstände zwischen ECG und Lampe: Leiterabstände max.
 Ⓜ Mindestabstand zwischen Leiterpaaren: Leiterabstände min. 200 µm
 Ⓝ Regelmäßig einen guten Schirm für elektromagnetische Störschutz



319638_QTP5 1x..

592499_EAC QTP5
















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
User instruction QUICKTRONIC QTP5

Product datasheet

	Product Datasheet 321531_ATI QTP5 1x14-35 (G+GB)
	Product Datasheet 334048_QUICKTRONIC PROFESSIONAL – QTP5
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Certificates 335002_EMC-Marks approval
	Certificates 335097_INOTEC
	Certificates 335098_CEAG
	Certificates 335101_ENEC-VDE-Marks approval
	Certificates 335128_VDE Quality Tested Simplified luminaire approbation
	Certificates 335169_Manufacturer's declaration – LampECG combinations: Frequent switching
	Certificates 592319_EAC certificate for Quicktronics QT
	Certificates 504210_VDE-EMC-Certificate QT5
	Declarations of conformity QUICKTRONIC CE 3364256 190821
	CAD data 3-dim 322169_QTP5 1x14-35, QTP5 1x24-39, QTP5 1x49, QTP5 1X54
	CAD data 3-dim 322170_QTP5 1x14-35, QTP5 1x24-39, QTP5 1x49, QTP5 1X54
	CAD data PDF 322176_QTP5 1x14-35, QTP5 1x24-39, QTP5 1x49, QTP5 1X54

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
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Product datasheet

Logistical Data

4008321329035	QTP5 1X14...35	Shipping carton box 20	303 mm x 101 mm x 159 mm	4.87 dm ³	3586.00 g
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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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QUICKTRONIC PROFESSIONAL 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
QTP5 1X14...35	DULUX L 28 W HE	0.13 A	28.50 W	0.95	2550 lm	1
	HE 13 W ES	0.075 A	15.00 W	0.90 c	1150 lm	1
	HE 14 W	0.08 A	16.00 W	0.90 c	1200 lm	1
	HE 19 W ES	0.10 A	22.00 W	0.95	1800 lm	1
	HE 21 W	0.11 A	24.00 W	0.95	1900 lm	1
	HE 25 W ES	0.12 A	27.00 W	0.96	2450 lm	1
	HE 28 W	0.14 A	31.00 W	0.96	2600 lm	1
	HE 32 W ES	0.15 A	34.00 W	0.97	3100 lm	1
	HE 35 W	0.17 A	38.00 W	0.97	3300 lm	1
	HE 35 W XT	0.17 A	38.00 W	0.97	3300 lm	1