

Product datasheet

Technical data

Electrical data

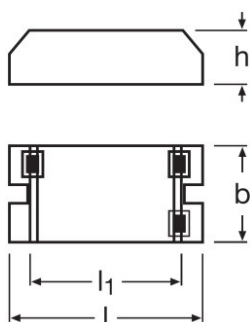
Nominal voltage	220...240 V
Mains frequency	50 Hz
Input voltage DC	176...254 V
Operating frequency	35...45 kHz
Max. ECG no. on circuit breaker 10 A (B)	36
Max. ECG no. on circuit breaker 16 A (B)	59
Inrush current	13 A

Light technical data

Starting time	1.5 s ¹⁾
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¹⁾ Preheat start: After a switch off, the lamps should remain switched off for 2 minutes to ensure an optimum preheat start

Dimensions & weight



Length	80.0 mm
Width	40.0 mm
Height	22.0 mm
Mounting hole spacing, length	72.0...75.0 mm
Product weight	50.00 g

Temperatures & operating conditions

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

¹⁾ Maximum 56 days/year at 85 %

Lifespan

ECG lifetime	30000 h ¹⁾
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Product datasheet

¹⁾ $T_c = 70^\circ\text{C}$, with max. 10% failure rate

Additional product data

Suitable for lamp power (1 lamp)	18...21 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	1.0 m / 0.5 m
Dimmable	No

Certificates & standards

Approval marks – approval	VDE
EEI – Energy Label	A2/A3 ¹⁾
Standards	Acc. to EN 61347-2-3/Acc. to EN 55015:2006 + A1:2007/Acc. to EN 61000-3-2/Acc. to EN 61547
Protection class	I
Type of protection	IP20

¹⁾ For detailed information please see Lamp-ECG combinations

Logistical data

Commodity code	850410809000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	14-04-2022
Primary Article Identifier	4050300794907
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	a8a7118e-fdaf-4526-9920-f07530922916

Wiring Diagram

QUICKTRONIC® ECO

	QT-ECO 1X18-21220	QT-ECO 1X18-21220	QT-ECO 1X18-21220	QT-ECO 1X18-21220	QT-ECO 1X18-21220
Max. I _{LED}	68 A	30 A	30 A	30 A	31 A
Max. I _{LED}	112 A	50 A	50 A	50 A	50 A
Max. I _{LED}	< 12 A	< 12 A	< 12 A	< 12 A	< 12 A
T _{th}	75 µs	100 µs	100 µs	100 µs	100 µs

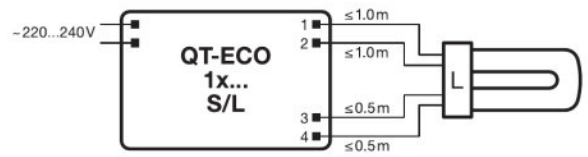
QT-ECO 1X18-21220, QT-ECO 1X18-21220, QT-ECO 1X18-21220, QT-ECO 1X18-21220, QT-ECO 1X18-21220

Max. permissible cable length between ECG and lamp: < 1.0 m (P/N 1, 2, 3, 4); < 0.5 m (P/N 5, 6)

Max. Leittabstöße zwischen ECG und Lampe, Leiterabstände max.

Maximale zulässige Kabellänge zwischen ECG und Lampe

Abstände zum Leiterabstand sind abweichend vom üblichen Maßstab zu verstehen



OSRAM

592501_EAC QT-ECO

723145_Wiring Diagram QT-ECO 1x

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 321435_ATI QT-ECO 1X18-21220-240 S (G+GB)
Certificates 334955_VDE-Marks approval
Certificates 334983_VDE-Marks approval
Certificates 335154_Manufacturer's declaration & #150; EN 55015:2006+A1:2007 (300 MHz)
Certificates 683440_VDE-Marks approvals
Declarations of conformity QUICKTRONIC CE 3364256 190821

Product datasheet

	CAD data 3-dim 313443_80x40x22 9900019
	CAD data 3-dim 313452_80x40x22 9900019
	CAD data 3-dim 313497_80x40x22 9900019
	CAD data PDF 313386_80x40x22 9900019

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
4050300794907	QT-ECO 1X18...21 S	Shipping carton box 50	212 mm x 142 mm x 170 mm	5.12 dm ³	2791.00 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-ECO 1X18...21 S

QUICKTRONIC ECONOMIC | ECG for FL 7 mm and CFL

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor λ [PIM]	Luminous flux at 25 °C	Number of lighting outlets	EEI – Energy Label
QT-ECO 1X18...21 S	DULUX D/E 18 W	0.14 A	19.00 W	0.60 c	1150 lm	1	A2
	DULUX T/E 18 W	0.14 A	19.00 W	0.60 c	1150 lm	1	A2
	HE 21 W	0.17 A	23.00 W	0.60 c		1	A3

Product name	Lamp group	Luminous flux at 35 °C
QT-ECO 1X18...21 S	DULUX D/E 18 W	
	DULUX T/E 18 W	
	HE 21 W	1800 lm