# QT-ECO 1X4...16 S

QUICKTRONIC ECONOMIC | ECG for FL 7 mm and CFL


## Product family features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 50 Hz
- Energy Efficiency Index EEI: A2 / A3 (depending on lamp)
- Automatic shutdown of defective lamps and at end of life (EoL)

## Product family benefits

- Compact housing
- Automatic restart after lamp replacement
- Large input voltage range

## Areas of application

- Public buildings

Technical data

## Electrical data

| | |
|---|---|
| **Nominal voltage** | 230…240 V |
| **Mains frequency** | 50 Hz |
| **Input voltage DC** | 176…254 V |
| **Maximum output power** | 16 W |
| **Efficiency in full-load** | 84 % [1] |
| **Operating frequency** | 40 kHz [2] |
| **Max. ECG no. on circuit breaker 10 A (B)** | 68 |
| **Max. ECG no. on circuit breaker 16 A (B)** | 112 |
| **Inrush current** | 10 A |

[1] at 230 V, 50 Hz

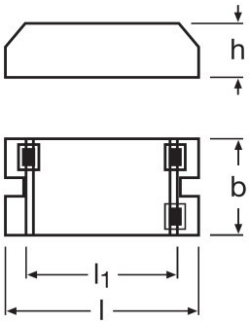
[2] Approximately

## Light technical data

| | |
|---|---|
| **Starting time** | 10 s [1] |

[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** | 800 mm |
| **Width** | 400 mm |
| **Height** | 220 mm |
| **Mounting hole spacing, length** | 72.0…75.0 mm |
| **Product weight** | 5060 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)] |

[1)] $T_c$ = 70°C, with max. 10% failure rate

## Additional product data

| | |
|---|---|
| **Suitable for lamp power (1 lamp)** | 4...16 W |

## 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 |
| **Intended for no-load operation** | 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 |

[1)] For detailed information please see Lamp-ECG combinations

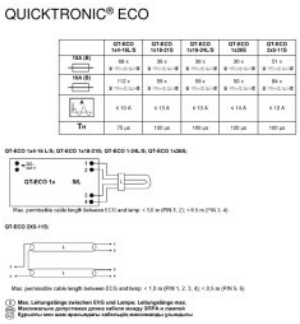
## Logistical data

| | |
|---|---|
| **Commodity code** | 850410809000 |

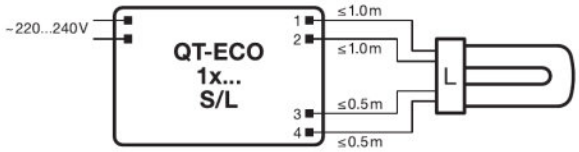
## Environmental information

| **Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)** | |
|---|---|
| **Date of Declaration** | 19-05-2023 |
| **Primary Article Identifier** | 4050300638584 |
| **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** | f9c950dd-e265-43d3-990e-9e4c82497823 |

## Wiring Diagram




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 |
|---|---|
| | User instruction<br>QUICKTRONIC QT ECO |
| | Certificates<br>334955_VDE-Marks approval |
| | Certificates<br>334983_VDE-Marks approval |
| | Certificates<br>335154_Manufacturer´s declaration – EN 55015:2006+A1:2007 (300 MHz) |
| | Certificates<br>683440_VDE-Marks approvals |
| | Declarations of conformity<br>QUICKTRONIC CE 3364256 060923 |

| | |
|---|---|
| | CAD data 3-dim<br>313443_80x40x22 9900019 |
| | CAD data 3-dim<br>313452_80x40x22 9900019 |
| | CAD data 3-dim<br>313497_80x40x22 9900019 |
| | CAD data PDF<br>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 |
|---|---|---|---|---|---|
| 4050300638584 | QT-ECO 1X4...16 S | Shipping carton box<br>50 | 212 mm x 172 mm x 143 mm | 5.21 $dm^3$ | 2684.00 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 1X4...16 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 1X4...16 S | DULUX D/E 10 W | 0.08 A | 11.50 W | 0.60 c | 600 lm | 1 | A3 |
| | DULUX D/E 13 W | 0.10 A | 14.00 W | 0.60 c | 850 lm | 1 | A2 |
| | DULUX S/E 11 W | 0.09 A | 13.00 W | 0.60 c | 900 lm | 1 | A3 |
| | DULUX S/E 9 W | 0.07 A | 10.00 W | 0.60 c | 600 lm | 1 | A3 |
| | HE 14 W | 0.10 A | 15.00 W | 0.60 c | | 1 | A2 |
| | HNS S/E 11W 2G7 | | | | | | |
| | HNS S/E 6.5W 2G7 | | | | | | |
| | HNS S/E 8W 2G7 | | | | | | |
| | L 13 W BASIC | 0.08 A | 15.00 W | 0.60 c | | 1 | |
| | L 16 W | 0.11 A | 16.00 W | 0.60 c | | 1 | |
| | L 6 W BASIC | 0.06 A | 8.50 W | 0.60 c | | 1 | |
| | L 8 W BASIC | 0.07 A | 10.50 W | 0.60 c | | 1 | |
| | NS 4W G5 | | | | | | |
| | NS 6W G5 | | | | | | |
| | NS 7W G5 | | | | | | |

| Product name | Lamp group | Luminous flux at 35 °C |
|---|---|---|
| QT-ECO 1X4...16 S | DULUX D/E 10 W | |

| Product name | Lamp group | Luminous flux at 35 °C |
|---|---|---|
| | DULUX D/E 13 W | |
| | DULUX S/E 11 W | |
| | DULUX S/E 9 W | |
| | HE 14 W | 1150 lm |
| | HNS S/E 11W 2G7 | |
| | HNS S/E 6.5W 2G7 | |
| | HNS S/E 8W 2G7 | |
| | L 13 W BASIC | 950 lm |
| | L 16 W | 1100 lm |
| | L 6 W BASIC | 270 lm |
| | L 8 W BASIC | 450 lm |
| | NS 4W G5 | |
| | NS 6W G5 | |
| | NS 7W G5 | |