# PRODUCT DATASHEET
# QTi 2X14/24/21/39 GII

## QUICKTRONIC® INTELLIGENT | ECG for FL 16mm




## 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 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

## Product 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: > 100,000 h (for T = 65 °C at $T_C$)
- Energy Efficiency Index EEI: A2 BAT
- Automatic shutdown of defective lamps and at end of life (EoL T.2)


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- Safety: to EN 61347-2-3
- Lamp operation: to EN 60929


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# TECHNICAL DATA

## Electrical data

| | |
|---|---|
| Nominal wattage | 88.00 W |
| Nominal voltage | 220…240 V |
| Input voltage AC | 198…264 V |
| Input voltage DC | 176…276 V |
| U-OUT (working voltage) | 330 V |
| Inrush current | 53 A |
| Mains frequency | 50/60 Hz |
| Max. ECG no. on circuit breaker 10 A (B) | 8 [1)] |
| Max. ECG no. on circuit breaker 16 A (B) | 13 [1)] |
| Operating frequency | 42…85 kHz |

1) Type B

## Light technical data

| | |
|---|---|
| Starting time | 1 s |

## Dimensions & Weight

| | |
|---|---|
| Length | 360.00 mm |
| Mounting hole spacing, length | 350,0 mm |
| Width | 30.00 mm |
| Height | 21.00 mm |
| Product weight | 241.1 g |

## Colors & materials

| | |
|---|---|
| Casing material | Metal |
| Body material | Metal |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20…+50 °C |
| Maximum temperature at tc test point | 75 °C |
| Max.housing temperature in case of fault | 110 °C |
| Permitted rel. humidity during operation | 5…85 % [1)] |

1) Maximum 56 days/year at 85 %


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## Lifespan

| | |
|---|---|
| ECG lifetime | 100000 h [1)] |

1) At Tcase = 65 °C at Tc point / 10 % failure rate

## Capabilities

| | |
|---|---|
| Dimmable | No |
| Max. cable length to lamp/LED module | 2 m |
| Suitable for fixtures with prot. class | I / II |
| Suitable for emergency lighting | Yes |
| End of lamp life safety shutdown | EOL T.2 |

## Certificates & Standards

| | |
|---|---|
| Approval marks – approval | VDE / VDE-EMC / ENEC 10 / CE |
| 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 | II |
| Type of protection | IP20 |
| Energy efficiency class | A2 |
| EEI – Energy Label | A2 BAT |

## LOGISTICAL DATA

| | |
|---|---|
| Temperature range at storage | -40…+85 °C |

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | User instruction / safety instructions | 592500_EAC QTi T5 |
| PDF | Declarations of conformity | 339525_Declaration of Conformity (GB) |
| PDF | Certificates | 504180_VDE-ENEC-Certificate QTi |
| PDF | Certificates | 554891_EAC PT family |
| PDF | Certificates | 334971_ENEC-Marks approval |
| PDF | Certificates | 334970_EMC-Marks approval |


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| | Documents and certificates | Document name |
|---|---|---|
| PDF | Certificates | 504207_VDE-EMC-Certificate QTI |
| PDF | Certificates | 335169_Manufacturer´s declaration – Lamp/ECG combinations: Frequent switching |
| PDF | Certificates | 335097_INOTEC |
| PDF | Product family datasheet | 336480_Family data sheet QTi GII |

| | CAD/BIM files | Document name |
|---|---|---|
| PDF | CAD data 3D PDF | 321774_QTi GII |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4008321383396 | Unpacked<br>1 | | 241.10 g | |
| 4008321383402 | Shipping box<br>20 | 392 mm x 98 mm x 165 mm | 5042.39 g | 6.34 $dm^3$ |

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

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