PRODUCT DATASHEET
QTi 1X35/49/80 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	90.00 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	240.00 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	335169_Manufacturer´s declaration – Lamp/ECG combinations: Frequent switching
PDF	Certificates	334970_EMC-Marks approval
PDF	Certificates	335097_INOTEC
PDF	Certificates	504180_VDE-ENEC-Certificate QTi

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	Documents and certificates	Document name
PDF	Certificates	334971_ENEC-Marks approval
PDF	Certificates	504207_VDE-EMC-Certificate QTI
PDF	Certificates	554891_EAC PT family
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
4008321383372	Unpacked 1		240.00 g	
4008321383389	Shipping box 20	392 mm x 98 mm x 165 mm	5019.99 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

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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