

PRODUCT DATASHEET

QTP5 1X49

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm



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
- 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

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: 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

TECHNICAL DATA

Electrical data

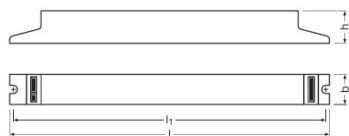
| | |
|---|------------------|
| Input voltage AC | 198...264 V |
| Nominal voltage | 220...240 V |
| Mains frequency | 50...60 Hz |
| Input voltage DC | 176...276 V |
| Operating frequency | 40...50 kHz |
| Max. ECG no. on circuit breaker 10 A (B) | 17 ¹⁾ |
| Max. ECG no. on circuit breaker 16 A (B) | 28 ¹⁾ |
| Inrush current | 24 A |

¹⁾ Type B

Light technical data

| | |
|----------------------|-------|
| Starting time | 1.0 s |
|----------------------|-------|

Dimensions & weight



| | |
|--------------------------------------|----------|
| Length | 280.0 mm |
| Width | 30.0 mm |
| Height | 21.0 mm |
| Mounting hole spacing, length | 270.0 mm |
| Product weight | 168.50 g |

Temperatures & operating conditions

| | |
|---|--------------|
| Ambient temperature range | -20...+50 °C |
| Permitted rel. humidity during operation | 5...85 % |

Lifespan

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

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

Expected Lifetime

| Product name | Lamp group | | | | |
|--------------|------------|------------------------------|--------|--------|-------|
| QTP5 1X49 | HO 49 W | ECG ambient temperature [ta] | 40 | 50 | 60 |
| | | Temperature at tc-point [°C] | 55 | 60 | 70 |
| | | Lifetime [h] | 100000 | 100000 | 70000 |
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| | | Temperature at tc-point [°C] | 55 | 60 | 70 |
| | | Lifetime [h] | 100000 | 100000 | 70000 |

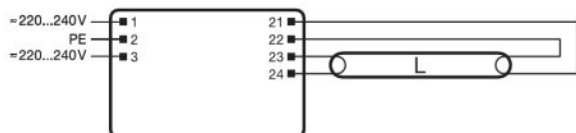
Capabilities

| | |
|--|---------|
| Suitable for fixtures with prot. class | I / II |
| End of lamp life safety shutdown | EOL T.2 |

Certificates & standards












| | |
|---------------------------|---|
| Approval marks – approval | VDE / VDE-EMC / ENEC 10 / CE |
| EEI – 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 | I/II |







Wiring Diagram



Wiring diagram

DOWNLOAD DATA

| File | |
|---|---|
|  | Product Datasheet 334048_QUICKTRONIC PROFESSIONAL – QTP5 |
|  | Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM |
|  | Product Family Datasheet 336478_Family data sheet QTP5 |
|  | Certificates 554891_EAC PT family |
|  | 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 |
|  | Declarations of conformity 339525_Declaration of Conformity (GB) |

| | |
|---|---|
|  | Installation/Operation notice 334142_Technical guide - ECGs for T5-lamps |
|  | Operating instructions 592499_EAC QTP5 |
|  | Operating instructions 592499_EAC QTP5 |
|  | 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 |

LOGISTICAL DATA

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4008321329370 | QTP5 1X49 | Shipping carton box 20 | 322 mm x 98 mm x 167 mm | 5.27 dm ³ | 3949.00 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.

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm

| Product name | Lamp group | Nominal current | Nominal wattage + Power loss | Luminous flux at 35 °C | Number of lighting outlets |
|--------------|------------------|-----------------|------------------------------|------------------------|----------------------------|
| QTP5 1X49 | HO 45 W ES | 0.22 A | 49.00 W | 4300 lm | 1 |
| | HO 49 W | 0.24 A | 53.00 W | | 1 |
| | HO 49 W | 0.24 A | 53.00 W | 4300 lm | 1 |
| | HO 49 W CONSTANT | 0.24 A | 53.00 W | 4450 lm | 1 |