

QTP5 1X49

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm



Product family 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

Product family 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

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 datasheet

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 |

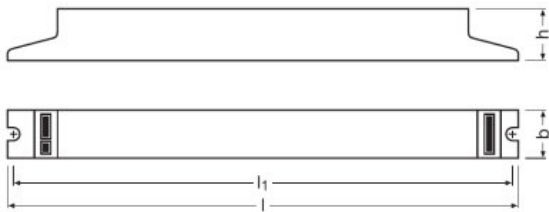
¹⁾ Type B

Light technical data

| | |
|---------------|---------------------|
| Starting time | 1.0 s ¹⁾ |
|---------------|---------------------|

¹⁾ If there is a temporary interruption in the power supply (< 0.5 s), the lamp will start within 0.3 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 % ¹⁾ |

¹⁾ Maximum 56 days/year at 85 %

Product datasheet

Lifespan

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

¹⁾ At $T_{case} = 65^{\circ}\text{C}$ at T_{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 |
| | HO 49 W | ECG ambient temperature [ta] | 40 | 50 | 60 |
| | | Temperature at tc-point [°C] | 55 | 60 | 70 |
| | | Lifetime [h] | 100000 | 100000 | 70000 |

Additional product data

| | |
|----------------------------------|------|
| Suitable for lamp power (1 lamp) | 49 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 | 2.0 m / 1.0 m |
| Dimmable | No |

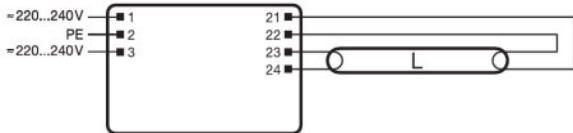
Certificates & standards

| | |
|---------------------------|---|
| 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 | III |
| Type of protection | IP20 |

Logistical data

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

Wiring Diagram



QUICKTRONIC® QTP5

| TYPE | QTP5 2x14 20 | QTP5 1x40 | QTP5 1x40 | QTP5 2x14 20 | QTP5 2x14 20 | QTP5 2x14 20 |
|------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| LED | 17 x | 17 x | 17 x | 17 x | 17 x | 17 x |
| LED | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 |
| LED | 20 x | 20 x | 20 x | 20 x | 20 x | 20 x |
| LED | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 | 8 710-10-08 |
| LED | $\le 30 A$ | $\le 20 A$ | $\le 30 A$ | $\le 20 A$ | $\le 30 A$ | $\le 30 A$ |
| LED | 200 μs | 200 μs | 200 μs | 200 μs | 100 μs | 200 μs |

QTP5 1x14-05, QTP5 1x40, QTP5 1x40

Max. permitted cable length in between ECG and temp. 2.0 m (QTP5 21, 22, 23, 25), 1.0 m (QTP5 21, 24)

QTP5 2x14-05, QTP5 2x14

Max. permitted cable length in between ECG and temp. 2.0 m (QTP5 21, 22, 23, 25), 1.0 m (QTP5 21, 24)

QTP5 2x14

QTP5 4x14

Max. permitted cable length in between ECG and temp. 1.5 m (QTP5 4, 5, 11, 12, 13, 14), 1.0 m (QTP5 1, 10, 15)

1) Max. Leiterplattlänge zwischen ECG und Lampe, Leiterplattlänge max.
2) Maximaler zulässiger Kabelverlauf zwischen QTP5 & Lampe
3) Angaben von einer spezifizierten Leiterplatte/Leuchte zum Zeitpunkt








319638_QTP5 1x..

592499_EAC QTP5

Download Data

| File |
|---|
| Product Datasheet 321536_ATI QTP5 1x49 (G+GB) |
| Product Datasheet 334048_QUICKTRONIC PROFESSIONAL – QTP5 |
| Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM |
| 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 |

Product datasheet

| | |
|---|---|
|  | Certificates 592319_EAC certificate for Quicktronics QT |
|  | Declarations of conformity Quicktronic CE 3364256 090421 |
|  | 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.

QTP5 1X49

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm

| Product name | Lamp group | Nominal current | Nominal wattage + Power loss | Power factor λ [PIM] | Luminous flux at 35 °C | Number of lighting outlets |
|--------------|------------|-----------------|------------------------------|------------------------------|------------------------|----------------------------|
| QTP5 1X49 | HO 45 W ES | 0.22 A | 49.00 W | 0.95 | 4300 lm | 1 |
| | HO 49 W | 0.24 A | 53.00 W | 0.95 | | 1 |
| | HO 49 W | 0.24 A | 53.00 W | 0.95 | 4300 lm | 1 |