

PRODUCT DATASHEET 1X18...57 DIM

QUICKTRONIC® INTELLIGENT DIM CFL | ECG dimmable 1...10 V for CFL



Areas of application

- Suitable for use in emergency lighting systems as per EN 50172/DIN VDE 0108-100
- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Suitable for luminaires of protection class I

Product benefits

- Same luminous flux with direct and alternating current
- Perfect lamp start for applications with motion sensors
- Dimming of amalgam lamps without flickering or reduced lifespan
- Very high efficiency thanks to cut-off technology
- Automatic restart after lamp replacement
- ECGs comply with MINERGIE standard due to very low standby consumption
- Configurable emergency power characteristics
- Control via the 1...10 V interface

Product features

- Control via 1...10 V interface
- Supply voltage: 220...240 V

- Line frequency: 0 Hz | 50 Hz | 60 Hz
- Line voltage: 198...264 V
- Dimming range: 3...100 % luminous flux
- Lamp start: within 0.6 s
- Lifetime: > 100,000 h (for T = 65 °C at T_c)
- Automatic shutdown of defective lamps and at end of life (EoL T.2)
- Energy Efficiency Index EEI: A1 BAT
- Overtemperature protection: Thermal management at high t_c temperatures
- Safety: to EN 61347-2-3
- Lamp operation: to EN 60929
- RI suppression: to EN 55015:2006+A1:2007+A2:2009/CISPR 15
- Line harmonics according to EN 61000-3-2
- Immunity according to EN 61547

TECHNICAL DATA

Electrical data

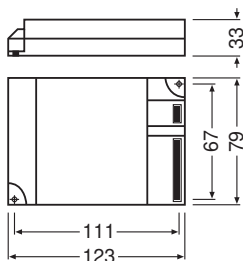
| | |
|--|------------------|
| Nominal wattage | 61.00 W |
| Nominal voltage | 220...240 V |
| Input voltage DC | 154...276 V |
| Type of current | AC/DC |
| Inrush current | 30 A |
| Mains frequency | 50/60 Hz |
| Max. ECG no. on circuit breaker 10 A (B) | 12 ¹⁾ |
| Max. ECG no. on circuit breaker 16 A (B) | 19 ¹⁾ |
| Operating frequency | 42...140 kHz |

¹⁾ Type B

Light technical data

| | |
|---------------|-------|
| Starting time | 0.6 s |
|---------------|-------|

Dimensions & Weight



| | |
|--------------------------------------|----------------------------|
| Length | 123.00 mm |
| Mounting hole spacing, length | 111,0 mm |
| Width | 79.00 mm |
| Height | 33.00 mm |
| Wire preparation length, input side | 8,5...9,5 mm ¹⁾ |
| Wire preparation length, output side | 8,5...9,5 mm ¹⁾ |
| Product weight | 233.5 g |

¹⁾ Wire cross-section for push-in contacts: 0.5...1.5 mm²

Colors & materials

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

Temperatures & operating conditions

| | |
|--|------------------------|
| Ambient temperature range | +10...+50 °C |
| Maximum temperature at tc test point | 75 °C ¹⁾ |
| Max.housing temperature in case of fault | 110 °C |
| Permitted rel. humidity during operation | 5...85 % ²⁾ |

¹⁾ In case of significant exceeding of max. Tc-point temperature lamp power will be reduced to guarantee ECG lifetime

²⁾ Maximum 56 days/year at 85 %

Lifespan

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

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

Additional product data

| | |
|----------------|---|
| Product remark | Optional cable clamp, see chapter ECG mountings - cable clamp |
|----------------|---|

Capabilities

| | |
|--|-----------|
| Dimmable | Yes |
| Dimming interface | 1...10 V |
| Dimming range | 3...100 % |
| Max. cable length to lamp/LED module | 0,5 m |
| Suitable for fixtures with prot. class | I |
| End of lamp life safety shutdown | EOL T.2 |

Certificates & Standards

| | |
|---------------------------|--|
| Approval marks – approval | VDE / VDE-EMC / EL / EAC / RCM / CCC |
| Standards | Acc. to EN 55015 / Acc. to EN 61000-3-2 / Acc. to EN 61547 |
| Protection class | I |
| Type of protection | IP20 |
| Energy efficiency class | A1 |
| EEL – Energy Label | A1 BAT |

LOGISTICAL DATA

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

DOWNLOAD DATA**Documents and certificates**

User instruction



Declarations Of Conformity CE



Certificates

CAD/BIM files

CAD data 3D PDF

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4008321060860 | Unpacked 1 | | 233.50 g | |
| 4008321060877 | Shipping box 20 | 428 mm x 78 mm x 257 mm | 4909.00 g | 8.58 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.