PRODUCT DATASHEET
QTi 2X35/49/80 DIM

QUICKTRONIC® INTELLIGENT DIM T5 | ECG dimmable 1…10 V for FL 16 mm



Areas of application

- Suitable for emergency installations
- 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

Product features

- Control via 1…10 V interface
- Supply voltage: 220…240 V
- Line frequency: 0 Hz | 50 Hz | 60 Hz

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- Line voltage: 198…264 V
- Dimming range: 1…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

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TECHNICAL DATA

Electrical data

Nominal wattage	165.00 W
Nominal voltage	220…240 V
Input voltage AC	198…264 V
Input voltage DC	154…276 V
Type of current	AC/DC
Inrush current	60 A
Mains frequency	50/60 Hz
Max. ECG no. on circuit breaker 10 A (B)	5 [1]
Max. ECG no. on circuit breaker 16 A (B)	9 [1]
Operating frequency	44…120 kHz

[1] Type B

Light technical data

Starting time	0.6 s

Dimensions & Weight

Length	423.00 mm
Mounting hole spacing, length	415,0 mm
Width	30.00 mm
Height	21.00 mm
Cable cross-section, input side	0.5…1.5 mm^2 / 0,5…1,0 mm^2 [1]
Cable cross-section, output side	0.5…1.5 mm^2 / 0,5…1,0 mm^2 [1]
Wire preparation length, input side	8.0…9.0 mm [2]
Wire preparation length, output side	8.0…9.0 mm [2]
Product weight	370.00 g

[1] Solid leads / Flexible

[2] Combi wiring

Colors & materials

Casing material	Metal
Body material	Metal

Temperatures & operating conditions

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Ambient temperature range	+10…+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 %

Lifespan

ECG lifetime	100000 h 1)

1) At T_{case} = 65°C at T_c point / 10% failure rate

Capabilities

Dimmable	Yes
Dimming interface	1…10 V
Dimming range	1…100 % 1)
Overheating protection	Power reduction and switch off at T > 75 °C at the tc point
Overload protection	Automatic switch off, reversible
Max. cable length to lamp/LED module	1.0 m / 1.5 m
Suitable for fixtures with prot. class	I
Suitable for emergency lighting	Yes
End of lamp life safety shutdown	EOL T.2

1) Luminous flux

Certificates & Standards

Approval marks – approval	VDE / VDE-EMC / EL / EAC / RCM / CCC
Standards	Acc. to EN 55015; EN 55022 / Acc. to EN 61547 / Acc. to IEC 61000-3-2/EN 61000-3-2
Protection class	I
Type of protection	IP20
Energy efficiency class	A1
EEI – Energy Label	A1 BAT

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

DOWNLOAD DATA

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	Documents and certificates
PDF	User instruction
PDF	Declarations Of Conformity CE
PDF	Certificates

	CAD/BIM files
PDF	CAD data 3D PDF

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4050300870984	Unpacked 1		370.00 g	
4050300870991	Shipping box 20	435 mm x 96 mm x 170 mm	7642.00 g	7.10 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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