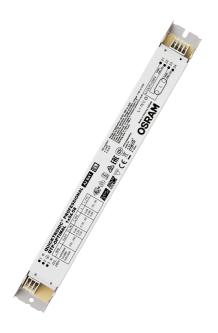


# PRODUCT DATASHEET QTP-OPTIMAL 1X54...58

QUICKTRONIC® PROFESSIONAL OPTIMAL | ECG for FL and CFL, not dimmable



#### 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: up to 100,000 h (temperature at T  $_{\rm C}$  = 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

Nominal wattage	60.00 W	
Nominal voltage	220240 V	
Input voltage AC	198264 V	
Input voltage DC	176276 V	
U-OUT (working voltage)	330 V	
Mains frequency	50/60 Hz	
Max. ECG no. on circuit breaker 10 A (B)	12 <sup>1)</sup>	
Max. ECG no. on circuit breaker 16 A (B)	19 1)	
Operating frequency	4050 kHz	

<sup>1)</sup> Type B

# Light technical data

Starting time	1.5 s

# Dimensions & Weight

Length	280.00 mm
Mounting hole spacing, length	270,0 mm
Width	30.00 mm
Height	21.00 mm
Product weight	180.00 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	585 % <sup>1)</sup>

<sup>1)</sup> Maximum 56 days/year at 85 %

# Lifespan

ECG lifetime	100000 h <sup>1)</sup>
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<sup>1)</sup> At  $T_{case} = 65$  °C at  $T_{c}$  point / 10 % failure rate

## Capabilities

Dimmable	No
Max. cable length to lamp/LED module	2.0 m / 1.0 m
Suitable for fixtures with prot. class	1/11
Suitable for emergency lighting	Yes
End of lamp life safety shutdown	EOL T.2

## Certificates & Standards

Approval marks – approval EL / VDE / ENEC 10 / VDE-EMC		
Standards	Acc. to IEC 61347-2-3 / App. J / Acc. to EN 55015:2006 + A1:2007 + A2:2009 / Acc. to IEC 61000-3-2 / Acc. to IEC 61547	
Protection class	I	
Type of protection	IP20	
Energy efficiency class	A2 BAT	
EEI – Energy Label	A2 BAT	

## LOGISTICAL DATA

Temperature range at storage	-40+85 °C
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## DOWNLOAD DATA

	Documents and certificates	Document name	
POF	User instruction / safety instructions	590771_EAC QTP-OPTIMAL	
POF	Declarations of conformity	339525_Declaration of Conformity (GB)	
POF	Certificates	349650_QTP-OPTIMAL VDE Certificate	
PDF	Certificates	554891_EAC PT family	
PDF	Certificates	346506_EMC QTP-Optimal	
PDF	Certificates	346505_ENEC QTP-Optimal	

	Documents and certificates	Document name	
PDF	Certificates	346512_CE QTP-Optimal	
PDF	Product family datasheet	346489_Familiendatenblatt QTP-Optimal	

## LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321873729	Unpacked 1		180.00 g	
4008321873736	Shipping box 20	303 mm x 159 mm x 101 mm	3766.00 g	4.87 dm <sup>3</sup>

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.