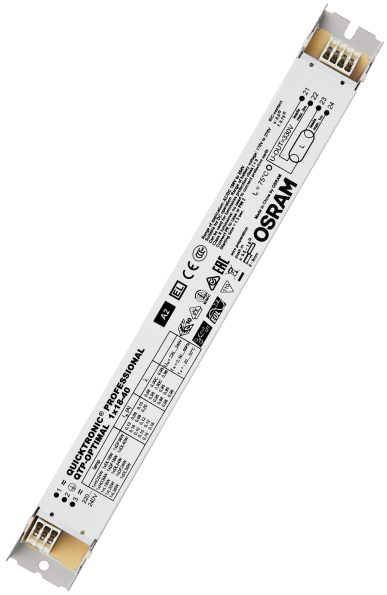
PRODUCT DATASHEET
QTP-OPTIMAL 1X18…40

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_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)

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- Safety: to EN 61347-2-3
- Lamp operation: to EN 60929

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TECHNICAL DATA

Electrical data

Nominal wattage	43.00 W
Nominal voltage	220…240 V
Input voltage AC	198…264 V
Input voltage DC	176…276 V
U-OUT (working voltage)	330 V
Inrush current	24 A
Mains frequency	50/60 Hz
Max. ECG no. on circuit breaker 10 A (B)	17 [1)]
Max. ECG no. on circuit breaker 16 A (B)	28 [1)]
Operating frequency	40…50 kHz

1) 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	5…85 % [1)]

1) Maximum 56 days/year at 85 %

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Lifespan

ECG lifetime	100000 h [1)]

1) At Tcase = 65 °C at Tc point / 10 % failure rate

Capabilities

Dimmable	No
Max. cable length to lamp/LED module	2 m
Suitable for fixtures with prot. class	I / II
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/EN 61000-3-2 / Acc. to IEC 61547
Protection class	I
Type of protection	IP20
Energy efficiency class	A2
EEI – Energy Label	A2

LOGISTICAL DATA

Temperature range at storage	-40…+85 °C

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	590771_EAC QTP-OPTIMAL
PDF	Declarations of conformity	339525_Declaration of Conformity (GB)
PDF	Certificates	349650_QTP-OPTIMAL VDE Certificate
PDF	Certificates	346505_ENEC QTP-Optimal
PDF	Certificates	346512_CE QTP-Optimal
PDF	Certificates	554891_EAC PT family
PDF	Certificates	346506_EMC QTP-Optimal

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

	CAD/BIM files	Document name
STEP	CAD STEP 3D	9C1-4223297-EN-00

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321873743	Unpacked 1		180.00 g	
4008321873750	Shipping box 20	312 mm x 166 mm x 98 mm	3769.00 g	5.08 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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