

PRODUCT DATASHEET

QTP5 2X49

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm



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 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

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 $T_c = 65^\circ\text{C}$, 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

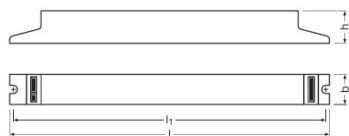
Input voltage AC	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage DC	176...276 V
Operating frequency	40...50 kHz
Max. ECG no. on circuit breaker 10 A (B)	8 ¹⁾
Max. ECG no. on circuit breaker 16 A (B)	13 ¹⁾
Inrush current	53 A

¹⁾ Type B

Light technical data

Starting time	1.0 s
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Dimensions & weight



Length	360.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	350.0 mm
Product weight	240.00 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 %

Lifespan

ECG lifetime	100000 h ¹⁾
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¹⁾ At $T_{case} = 65^{\circ}C$ at T_c point / 10% failure rate

Expected Lifetime

Product name	Lamp group				
QTP5 2X49	HO 45 W ES	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	65	75
		Lifetime [h]	100000	100000	60000
	HO 49 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	65	75
		Lifetime [h]	100000	80000	50000

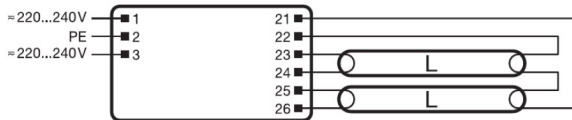
Capabilities

Suitable for fixtures with prot. class	I / II
End of lamp life safety shutdown	EOL T.2

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	I/II
Type of protection	IP20






Wiring Diagram



Wiring diagram

DOWNLOAD DATA

File	
	Product Datasheet 334048_QUICKTRONIC PROFESSIONAL – QTP5
	Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
	Product Family Datasheet 336478_Family data sheet QTP5
	Certificates 554891_EAC PT family
	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
	Declarations of conformity 339525_Declaration of Conformity (GB)

	Installation/Operation notice 334142_Technical guide - ECGs for T5-lamps
	CAD data 3-dim 313485_360x30x21 9900024
	CAD data 3-dim 313490_360x30x21 9900024
	CAD data 3-dim 314282_360x30x21 9900024
	CAD data PDF 313392_360x30x21 9900024

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4008321329448	Shipping carton box 20	392 mm x 98 mm x 165 mm	4971.00 g	6.34 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.

QUICKTRONIC PROFESSIONAL 5 | ECG for FL 16 mm

Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Luminous flux at 35 °C	Number of lighting outlets
QTP5 2X49	HO 45 W ES	0.44 A	100.00 W	4300 lm	2
	HO 49 W	0.49 A	106.00 W		2
	HO 49 W	0.49 A	106.00 W	4300 lm	2
	HO 49 W CONSTANT	0.49 A	106.00 W	4450 lm	2