

QTP-OPTIMAL 1X54...58

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



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 $T_c = 65$ °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

Product family 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

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 datasheet

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)	12 ¹⁾
Max. ECG no. on circuit breaker 16 A (B)	19 ¹⁾

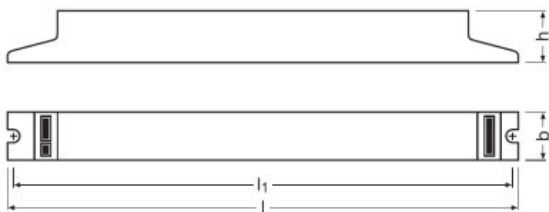
¹⁾ Type B

Light technical data

Starting time	1.5 s ¹⁾
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¹⁾ If there is a temporary interruption in the power supply (< 0.5 s), the lamp will start within 0.3 s

Dimensions & weight



Length	280.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	270.0 mm
Product weight	180.00 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

Product datasheet

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				
QTP-OPTIMAL 1X54...58	DULUX L 55 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	70000
	L 58 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	55	60	70
		Lifetime [h]	100000	100000	80000

Additional product data

Suitable for lamp power (1 lamp)	54...58 W
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Capabilities

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

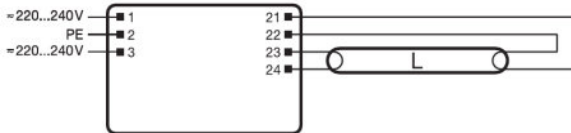
Certificates & standards

Approval marks – approval	EL / VDE / ENEC 10 / VDE-EMC
EEI – Energy Label	A2 BAT
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

Logistical data

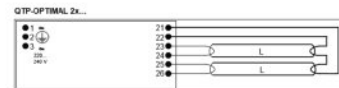
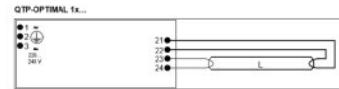
Commodity code	850410809000
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Wiring Diagram



QUICKTRONIC® PROFESSIONAL OPTIMAL

	QTP-OPTIMAL 1x540	QTP-OPTIMAL 1x360	QTP-OPTIMAL 2x360	QTP-OPTIMAL 2x540
TM (IC)	17 x	12 x	12 x	8 x
TM (IC)	8 1/2 x	8 1/2 x	8 1/2 x	8 1/2 x
TM (IC)	20 x	18 x	18 x	15 x
TM (IC)	8 1/2 x	8 1/2 x	8 1/2 x	8 1/2 x
TM	≤ 24 A	≤ 37 A	≤ 37 A	≤ 37 A
TM	200 µs	200 µs	200 µs	100 µs



① Max. Lebertemperatur zwischen ECG und Lampe: Lebertemperatur max.: 140°C/284°F
 ② Максимальная допустимая температура между ЭЦП и лампой
 ③ Kábiňovú dĺžku medzi svietidlom a svietidlo: maximálna: 2,0 m



319638_QTP5 1x..

590771_EAC QTP-OPTIMAL

Download Data

File
Addon Technical Information 502689_Frequent switching Quicktronic
Product Datasheet 502688_ECG lifetime - QUICKTRONIC non DIM
Certificates 592319_EAC certificate for Quicktronics QT
Certificates 349650_QTP-OPTIMAL VDE Certificate
Certificates 346505_ENEC QTP-Optimal
Certificates 346506 EMC QTP-Optimal
Certificates 346512_CE QTP-Optimal
Declarations of conformity Quicktronic CE 3364256 090421

Product datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4008321873729	QTP-OPTIMAL 1X54...58	Shipping carton box 20	303 mm x 159 mm x 101 mm	4.87 dm ³	3766.00 g

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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Product name	Lamp group	Nominal current	Nominal wattage + Power loss	Power factor λ [PIM]	Luminous flux at 35 °C	Number of lighting outlets
QTP-OPTIMAL 1X54...58	DULUX L 55 W	0.24 A	50.00 W	0.98	4800 lm	1
	HNS 20 4P SE					
	HNS 36 4P SE					
	HO 50 W ES	0.26 A	54.00 W	0.98	4450 lm	1
	HO 54 W	0.26 A	54.00 W	0.98	4450 lm	1
	L 58 W	0.25 A	54.00 W	0.98	5000 lm	1
	L 58 W XXT	0.25 A	54.00 W	0.98	5000 lm	1
	NS 55W G13					