

QT-FQ 2X80

QUICKTRONIC FQ | ECG for high efficiency FL 16 mm



Product family features

- Supply voltage: 220...240 V
- Line voltage: 198...264 V
- Line frequency: 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
- Safety: to EN 61347-2-3
- Automatic shutdown of defective lamps and at end of life (EoL T.2)

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

- Industry
- Open-plan offices, corridors and storage rooms
- Public buildings
- Sports halls and factories
- Strip lighting
- Modernization of existing systems

Product datasheet

Technical data

Electrical data

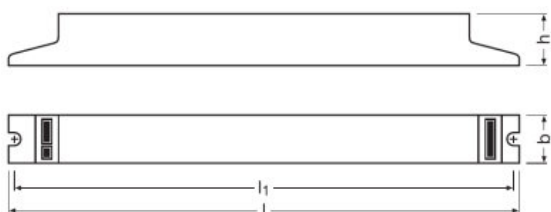
Input voltage AC	198...264 V
Nominal voltage	220...240 V
Mains frequency	50...60 Hz
Input voltage DC	-
Operating frequency	70...75 kHz
Max. ECG no. on circuit breaker 10 A (B)	5 ¹⁾
Max. ECG no. on circuit breaker 16 A (B)	9 ¹⁾
Inrush current	39 A

¹⁾ Type B

Light technical data

Starting time	1.0 s
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Dimensions & weight



Length	424.0 mm
Width	30.0 mm
Height	21.0 mm
Mounting hole spacing, length	415.0 mm
Product weight	381.00 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	50000 h ¹⁾
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¹⁾ At $T_{case} = 75^{\circ}C$ at T_c point / 10% failure rate

Expected Lifetime

Product name	Lamp group				
QT-FQ 2X80	HO 80 W	ECG ambient temperature [ta]	40	50	60
		Temperature at tc-point [°C]	60	70	75
		Lifetime [h]	100000	80000	50000

Additional product data

Suitable for lamp power (2 lamps)	80 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	1.5 m
Dimmable	No

Certificates & standards

Approval marks – approval	VDE / VDE-EMC / ENEC 10 / GOST / RCM
EEI – Energy Label	A2
Standards	Acc. to EN 55015, CISPR 15/Acc. to EN 61547/IEC 61547/Acc. to EN 61000-3-2/IEC 61000-3-2/Acc. to EN 61347-2-3/IEC 61347-2-3
Protection class	II
Type of protection	IP20

Logistical data

Commodity code	850410809000
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Product datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4050300825564	QT-FQ 2X80	Shipping carton box 20	455 mm x 98 mm x 163 mm	7.27 dm ³	7860.00 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
QT-FQ 2X80	DULUX L 55 W	0.59 A	122.00 W	0.99	4800 lm	2
	DULUX L 80 W	0.76 A	175.00 W	0.99	6150 lm	2
	HO 80 W	0.76 A	175.00 W	0.98	6300 lm	2
	HO 80 W XT	0.76 A	175.00 W	0.98	6300 lm	2