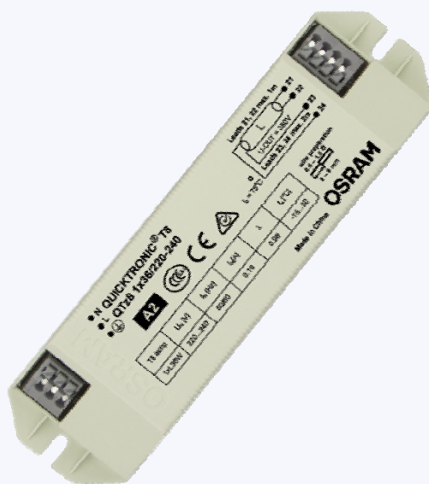


QUICKTRONIC® QTz8

ECG for T8/Ø26mm linear fluorescent lamps



All you need for the reliable operation of T8/Ø26mm linear fluorescent lamps



QTz8



i.e. LUMILUX® T8

- Ideal solution for CCG replacement
- EEI = A2
- 30,000 h lifetime at tc max. with maximum 10% failure rate
- Automatic restart after lamp replacement

QUICKTRONIC QTz is the affordable ECG solution to reliably operate fluorescent lamps. It is the affordable high frequency solution for CCG replacement

QUICKTRONIC QTz has a robust design and meets relevant international standard regarding Safety, RFI, Harmonics and Immunity. Energy Efficiency A2 guarantees significant savings in energy costs.

QTz is intended for use with indoor lighting fixtures in applications like office, supermarket, school, restaurants and other applications. We recommend to use these ballasts not in applications with frequent switching.

Product Features:

- CELMA Energy Efficiency Index A2
- 30,000 h lifetime at t_c max with maximum 10% failure rate
- Reliable lamp ignition within wide temperature range: $-15^{\circ}\text{C} \dots +50^{\circ}\text{C}$
- Automatic restart after lamp replacement ¹⁾
- Suitable for luminaires of protection classes I, protection II after testing
- EMI acc. to EN 55015
- Suitable for lighting with max. 3 switching cycles per day
- CCC, CE and RCM marking

Technical Data

Max. cable diameter for push-in contact [mm ²]:	S ¹⁾ : 0.5 - 1.5 mm ²
Starting time:	t < 1s
Line voltage:	220 - 240 V
Voltage range (AC):	198 - 264 V
Line frequency:	50 / 60 Hz
Operating frequency:	> 40 kHz
Power factor	≥ 0.98
Electrical strength:	280 V → 48 hours
Ambient temperature t_a :	-15°C to $+50^{\circ}\text{C}$
Measuring point temperature t_c :	Max. + 75°C ²⁾
U-OUT:	≤ 380V

Inrush current and max. number of ECG per circuit breaker

ECG	Inrush Current		Max. number of ECG per circuit breaker		
	I_p [A]	TH [μs]	B: 10A	B: 16A	C: 16 A
QTz8 1x18	20	130	34	56	94
QTz8 1x36	20	130	34	56	94
QTz8 2x18	20	130	34	56	94
QTz8 2x36	23	250	15	25	40
QTz8 3x18	23	250	15	25	40
QTz8 4x18	23	250	15	25	40


Lifetime

Ambient Temperature t_a	Measuring point temperature t_c :	Lifetime with max. 10% failure rate
50°C	75°C ²⁾	30,000 h

1) s = solid wire

2) $+70^{\circ}\text{C}$ for QTz8 3x18

Standards and approval marks

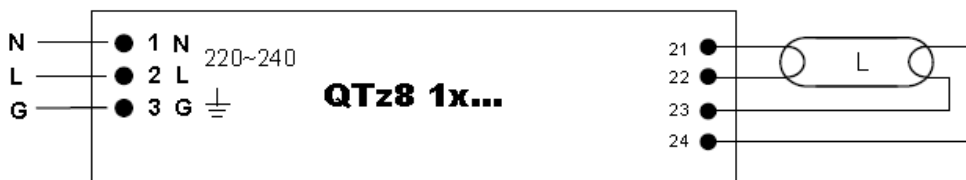
Safety:	acc. to EN 61347-2-3 / IEC 61347-2-3
Radio interference:	acc. EN 55015: 2006 + A1: 2007 + A2: 2009
Harmonic content:	acc. to EN 61000-3-2 / IEC 61000-3-2
Immunity:	acc. to EN 61547 / IEC 61547
Approval marks:	

Dimensions & weight

Description	Length [mm]	Width [mm]	Height [mm]	Distance Mounting Holes [mm]	Weight [g]
QTz8 1x18	150	40	28	140	90
QTz8 1x36	150	40	28	140	90
QTz8 2x18	150	40	28	140	90
QTz8 2x36	210	40	30	200	140
QTz8 3x18	210	40	30	200	140
QTz8 4x18	210	40	30	200	155

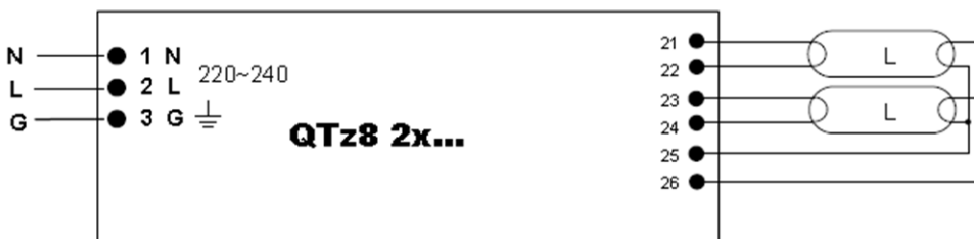
Lamp wiring

QTz8 1x...



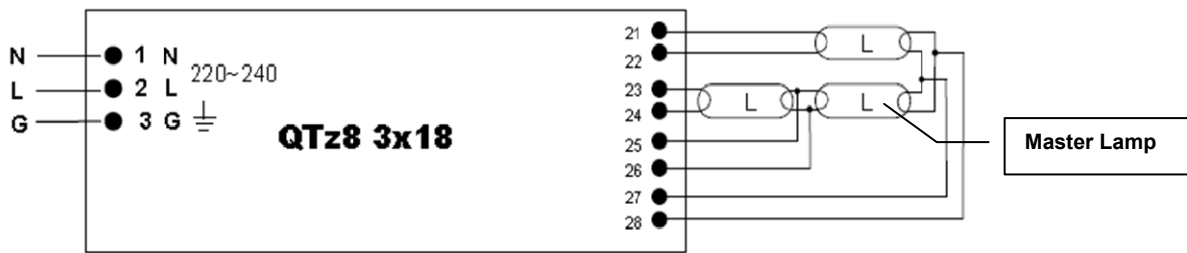
Max. permitted cable length in between ECG and lamp: 1.0 m (PIN 21, 22); 2.0 m (PIN 23, 24)

QTz8 2x...



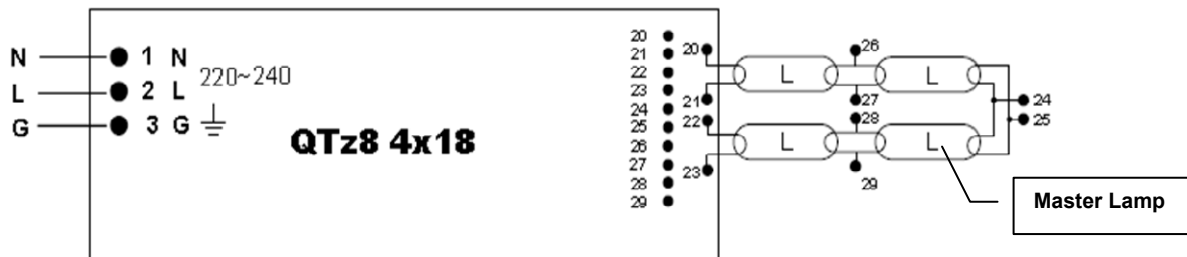
Max. permitted cable length in between ECG and lamp: 1.0 m (PIN 21, 22, 23, 24); 2.0 m (PIN 25, 26)

QTz8 3x



Max. Permitted cable length in between ECG and lamp: 1.0 m (PIN 21, 22, 23, 24); 2.0 m (PIN 25, 26, 27, 28)

QTz8 4x



Max. Permitted cable length in between ECG and lamp: 1.0 m (PIN 20, 21, 22, 23); 2.0 m (PIN 24, 25, 26, 27, 28, 29)

Logistic Data

Description	EAN 10	EAN 40	Packaging Unit
QTz8 1x18	4008321863263	4008321863270	20
QTz8 1x36	4008321863287	4008321863294	20
QTz8 2x18	4008321863300	4008321863317	20
QTz8 2x36	4008321863324	4008321863331	20
QTz8 3x18	4008321863348	4008321863355	20
QTz8 4x18	4008321863362	4008321863379	20

1): Regarding automatic restart after lamp replacement:

1-lamp and 2-lamp ballast: automatic restart after lamp is replaced;

3-lamp and 4-lamp ballast: when any lamp fails, remove all lamps, replace the failed one and reconnect others lamps, ensure the master lamp is the last one to be reconnected.

Lamp/ECG System Combination

ECG	Lamp	HF lamp wattage [W]	System wattage [W]	Line current [A]	Luminous flux at 25°C [lm]	Power factor [λ]
QTz8 1x18	L18 W	16	19	0.09	1350	0.98
QTz8 1x36	L36 W	32	37	0.16	3200	0.98
QTz8 2x18	2 x L18 W	2x 16	37	0.16	2x 1350	0.98
QTz8 2x36	2 x L36 W	2x 32	71	0.30	2x 3200	0.98
QTz8 3x18	3 x L18 W	3x 16	55	0.25	3x 1350	0.98
QTz8 4x18	4 x L18 W	4x 16	70	0.31	4x 1350	0.98

For more information, please refer to SharePoint:

https://lightweb.osram.com/content/10000450/Product%20information/PL_TLS/Electronic%20control%20gears/T8_ECG/QTz8