

# QUICKTRONIC® PROFESSIONAL T5 – 2nd Gen ECG for T5/Ø16mm linear fluorescent lamps

**QTP5 1x24-39**  
**QTP5 2x24-39**



Preliminary  
Technical Information

Edition: March 2009  
Subject to change

## Features:

- Up to 100.000 hours lifetime <sup>1)</sup>
- Lamp start with optimized filament preheating within 1 sec.
- Cut-off Technology
- Suitable for lighting with high switching cycles
- Reliable lamp ignition between -20°C...+50°C
- Suitable for luminaries of protection classes I and II <sup>2)</sup>
- CELMA Energy-Efficiencies-Index EEI = A2
- Automatic safety shut-down in case of a defect or at the end of the lamp's life (EoL T.2)
- Automatic restart after lamp replacement
- Suitable for emergency installations (DC, 0 Hz)



## Technical Data:

Reference:	QTP5 1x24-39			QTP5 2x24-39		
Lamp:	HO 24	HO 39	L 30 <sup>3)</sup>	2x HO 24	2x HO 39	L 30 <sup>3)</sup>
HF lamp wattage [W]:	24.5	37.5	29	2x 24.5	2x 37.0	2x 28.5
System wattage [W]:	28.5	42.5	33.5	53.5	81.0	62
Line current [A]:	0.13	0.19	0.15	0.24	0.36	0.28
Luminous flux at 25°C [lm]:	1900	3050	2600	2x 1925	2x 3250	2x 2500
Luminous flux at 35°C [lm]:	2000	3200	-	2x 2025	2x 3400	-
Max. cable diameter for IDC contact [mm <sup>2</sup> ]:	„s“: 0.5; „f“: 0.75					
Max. cable diameter for push-in contact [mm <sup>2</sup> ]:	„s“: 0.5...1.0					
Starting time:	t: < 1 sec. (<0,3 sec. in case of line interruptions/switchover of <0,5 sec.)					
Line voltage:	220 - 240 V					
Voltage range (AC):	198 - 264 V					
Voltage range (DC):	176 - 276 V					
Line frequency:	0, 50-60 Hz					
Operating frequency:	40 - 50 kHz					
Inrush current:	I <sub>p</sub> = 24 A; T <sub>H</sub> = 230 μs			I <sub>p</sub> = 40 A; T <sub>H</sub> = 200 μs		
Max. number of ECG, circuit breaker 10A, char. B:	17			12		
Max. number of ECG, circuit breaker 16A, char. B / C:	28 / 47			19 / 32		
Electrical strength:	300 V → permanent; 320 V → 48 hours; 350 V → 2 hours					
Power factor λ :	0.95	0.98	0.96	0.98	0.98	0.99
Ambient temperature t <sub>a</sub> :	-20 °C to +50 °C					
Measuring point temperature t <sub>c</sub> :	max. +75 °C					
U-OUT:	330 V			430 V		
Dimensions (l x w x h):	280 x 30 x 21 mm			360 x 30 x 21 mm		
Distance mounting holes:	270 mm			350 mm		
Weight:	190 g			265 g		
Safety:	acc. EN 61347-2-3 / IEC 61347-2-3					
Radio interference:	acc. EN 55015: 2006 + A1: 2007					
Harmonic content:	acc. EN 61000-3-2 / IEC 61000-3-2					
Immunity:	acc. EN 61547 / IEC 61547					
Packaging unit:	20 pieces					
Approval marks:						

“s” = solid wire, “f” = stranded – flexible wire

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**Product:**

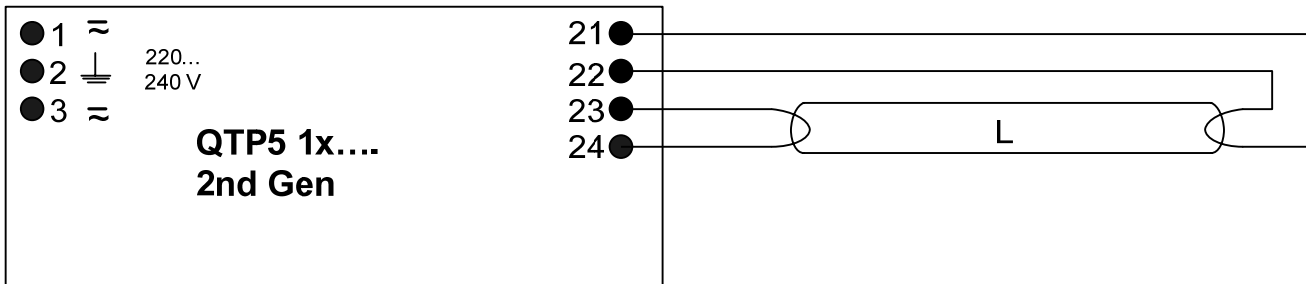


**Product number:**

Product number:	EAN 10 / Single unit (1 pc.)	EAN 40 / Package unit (20 pcs.)
QTP5 1x24-39	4008321 <b>329110</b>	4008321 <b>329127</b>
QTP5 2x24-39	4008321 <b>329417</b>	4008321 <b>329424</b>

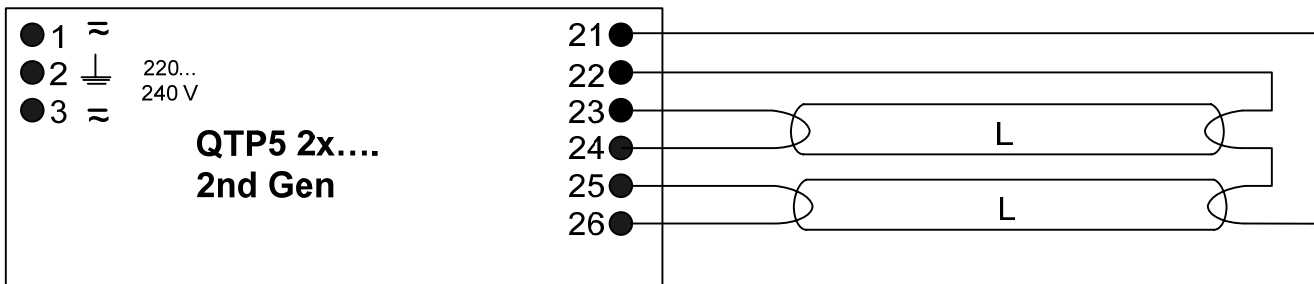
**Lamp wiring:**

**QTP5 1x24-39:**



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

**QTP5 2x24-39:**



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

<sup>1)</sup> at T = 65°C @ Tc. 50.000 h with max. 10% failure rate at tc = 75°C max  
<sup>2)</sup> No need to connect (functional) earth in suitable luminaires of protection class II  
<sup>3)</sup> Lamp combination not printed on the label, but with ENEC certification in preparation.