## Product features of OSRAM-ECG in combination with systems operating with central batteries

Manufacturer: Type / Description: OSRAM GmbH 81536 München ECG product family: QUICKTRONIC PROF	FESSIONAL QTP5 GII
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Features:	CEAG data:	Comment:	Complies:
Operating voltage range DC:	186 V - 275 V at -10 °C	Battery voltage range in emergency power operation	Yes
Switching time: from AC to DC from DC to AC	Installation switching times: 180 ms - 450 ms 180 ms - 450 ms	Typical CEAG-installation-switching time	Yes
In accordance with standard*:	DIN EN 60929	AC operated ECGs for tubular fluorescent lamps	Yes
In accordance with standard*:	DIN EN 61347-2-3 (incl. annex J)	Specific requirements of AC operated ECGs for fluorescent lamps	Yes
In accordance with standard*:	DIN EN 61000-3-2	EMC standard for electromagnetic compatibility (harmonic content)	Yes
In accordance with standard*:	DIN EN 61547	EMC standard for electromagnetic interference, especially for emergency lighting (immunity)	Yes
In accordance with standard*:	DIN EN 55015 (measurement on AC and DC)	EMC standard for critical values and measuring systems for radio shielding of electrical illumination appliances (interference)	Yes

\*VDE 0108 is not a standard for ECG, marking is not applicable

	CEAG data:	Comment:	Manufacturer's instructions:
No-load current of the ECG (without or faulty lamp) in DC operation	Nominal value of operation: 2L-CG-S: <10 mA / <28 mA 2L-CG (4-120 W): <10 mA 2L-CG (7-120 W): <25 mA 2L-CG (11-120 W): <41 mA	Options for luminaire/ECG-monitoring units, CEAG type: 2L-CG, according to catalog	< 10 mA
Max. inrush current per ECG (AC operation):	Total inrush current permitted at: SKU 4 x 1A (CG) => 60 A/ms per circuit SKU 2 x 3A (CG) => 120 A/ms per circuit SKU 1 x 6A (CG) => 180 A/ms SKU 2 x 3A CG-S => 250 A/ms per circuit SKU 1 x 6A CG-S => 250 A/ms	Relates to a max. permitted inrush current of the ECGs within an electric circuit and allows consideration of the max. contact load when switching circuits	see "Overview QTP5"
Line current (AC operation):	Specific to manufactuer	For ascertainment of max.quantity of ECGs per electric circuit	see "Overview QTP5"
Line current (DC operation):	Specific to manufactuer	dito	see "Overview QTP5"
Ratio of luminous flux DC operation 186 V compared to 230 V	Specific to manufactuer	ECGs for emergency lighting on battery operation (for specifiers)	> 75 %

The OSRAM ECGs above comply with the DIN-EN standards on this page. Explicit approval was carried out on those standards only. OSRAM as simply a manufacturer of electronic control gears is not liable for the faultless function of other components for emergency lighting.

Luminaires, for the operation as safety lighting must comply with standard DIN EN 60598-2-22.

## CEAG-requirement profile

Manufacturer:

Overview

OSRAM GmbH 81536 München Type / Description:



## ECG product family: QUICKTRONIC PROFESSIONAL QTP5 GII

ECG type	Max. inrush current per ECG in AC operation	Line current AC operation	Line current DC operation
QTP5 1x14-35	lp = 24 A; TH = 230 μs	HE 14: 0.08 A, HE 21: 0.11 A, HE 28: 0.14 A, HE 35: 0.17 A, DL 28: 0.14 A	HE 14: 0.08 A, HE 21: 0.11 A, HE 28: 0.14 A, HE 35: 0.17 A, DL 28: 0.14 A
QTP5 2x14-35	Ip = 40 A; TH = 200 μs	2xHE 14: 0.14 A, 2xHE 21: 0.20 A, 2xHE 28: 0.26 A, 2xHE 35: 0.33 A, 2xDL 28: 0.26 A	2xHE 14: 0.14 A, 2xHE 21: 0.20 A, 2xHE 28: 0.26 A, 2xHE 35: 0.33 A, 2xDL 28: 0.26 A
QTP5 1x24-39	lp = 24 A; TH = 230 μs	HO 24: 0.12 A, HO 39: 0.18 A; L30: 0.15 A	HO 24: 0.12 A, HO 39: 0.18 A; L30: 0.15 A
QTP5 2x24-39	lp = 40 A; TH = 200 μs	2xHO 24: 0.23 A, 2xHO 39: 0.36 A; 2xL30: 0.27 A	2xHO 24: 0.23 A, 2xHO 39: 0.36 A; 2xL30: 0.27 A
QTP5 3x14, 4x14	Ip = 40 A; TH = 200 μs	3xHE 14: 0.22 A; 4xHE 14: 0.28 A	3xHE 14: 0,22 A; 4xHE 14: 0,28 A
QTP5 1x49	lp = 24 A; TH = 230 µs	HO 49: 0.24 A	HO 49: 0.24 A
QTP5 2x49	lp = 53 A; TH = 190 μs	2x HO 49: 0.49 A	2x HO 49: 0.49 A
QTP5 1x54	Ip = 40 A; TH = 200 μs	HO 54: 0.26 A	HO 54: 0.26 A
QTP5 2x54	lp = 53 A; TH = 190 μs	2xHO 54: 0.50 A	2xHO 54: 0.50 A
QTP5 1x80	lp = 40 A; TH = 200 μs	HO 80: 0.38 A, DL 80: 0.38 A	HO 80: 0.38 A, DL 80: 0.38 A