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

Manufacturer:	**Type / Description:**
OSRAM GmbH **81536 München**	**ECG product family: QUICKTRONIC PROFESSIONAL QTP5 GII**

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

Overview

Manufacturer:

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	Ip = 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	Ip = 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	Ip = 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	Ip = 24 A; TH = 230 µs	HO 49: 0.24 A	HO 49: 0.24 A
QTP5 2x49	Ip = 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	Ip = 53 A; TH = 190 µs	2xHO 54: 0.50 A	2xHO 54: 0.50 A
QTP5 1x80	Ip = 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