Product features of OSRAM ECGs in combination with central batteries systems

Manufacturer:	Type / Description:
OSRAM GmbH **81536 München**	**ECG product family: QUICKTRONIC FIT QT-FIT8**

Criteria:	CEAG-Data	Description	Fulfilled
Operating voltage range DC:	**186 V - 275 V at -10 °C**	Battery voltage range in operation with emergency current	**YES**
Switching time: from AC to DC from DC to AC	**Switching time of device:** **180 ms - 450 ms** **180 ms - 450 ms**	Typical switching time of CEAG devices	**YES**
In accordance with standard[1]:	**DIN EN 60929**	Electronic ballasts for fluorescent tube lamps, operating on alternating current	**YES**
In accordance with standard[1]:	**DIN EN 61347-2-3 (incl. annex J)**	Specific requirements for electronic ballasts for fluorescent lamps operated on alternating current	**YES[2]**
In accordance with standard[1]:	**DIN EN 61000-3-2**	EMC standard for electromagentic compatibility (harmonic content)	**YES**
In accordance with standard[1]:	**DIN EN 61547**	EMC standard for electromagnetic interference, especially for emergency lighting (immunity)	**YES**
In accordance with standard[1]:	**DIN EN 55015** **(Measurement on AC and DC)**	EMC standard for critical values and measuring methods for radio shielding of electrical illumination appliances (interference)	**YES**

[1] Designation after VDE 0108 is insignificant due to it not being an ECG standard

[2] Tests not yet completed for annex J

Features:	CEAG-Data:	Explanation:	Manufacturer's statement:
No-load current of ECG in DC-operation (without or with a faulty illuminant)	**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/EVG-monitoring units, CEAG-type: 2L-CG, according to catalog	**< 10 mA**
Max. inrush current per ECG in AC-operation:	**Maximum inrush current:** **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**	Refers to a max. allowable inrush current of ECG within an electric circuit to consider the maximum contact load of the electric circuits' change-overs.	**see register "Overview"**
Nominal current in AC-operation:	**manufacturer-specific**	For ascertainment of max. quantity of ECG per electric circuit	**see register "Overview"**
Nominal current in DC-operation:	**manufacturer-specific**	dito	**see register "Overview"**
Luminous flux in DC-operation 186 V in relation to 230 V	**manufacturer-specific**	ECG for emergency lighting on battery operation - for planning	**> 75 %**

The OSRAM ECGs mentioned above fullfill the requirements from the DIN-EN standards on this page. Explicit approval was carried out on those standards mentioned in the identification.
OSRAM as a manufacturer of electronic control gear is not liable for the faultless function of other components for emergency lighting.

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

CEAG requirements overview

Manufacturer:	Type / Description:
OSRAM GmbH **81536 München**	**ECG product family: QUICKTRONIC FIT QT-FIT8**

ECG type	Max. inrush current per ECG in AC operation	Nominal current in AC-operation:	Nominal current in DC-operation:
QT-FIT8 1x18	Ip = 17 A; TH = 200 µs	0.10 A	0.10 A
QT-FIT8 1x36	Ip = 17 A; TH = 200 µs	0.17 A	0.17 A
QT_FIT8 1x58	Ip = 17 A; TH = 200 µs	0.25 A	0.25 A
QT-FIT8 2x18	Ip = 17 A; TH = 200 µs	0.17 A	0.17 A
QT-FIT8 2x36	Ip = 30 A; TH = 240 µs	0.33 A	0.33 A
QT-FIT8 2x58	Ip = 30 A; TH = 240 µs	0.48 A	0.48 A
QT-FIT8 3x/4x18	Ip = 30 A; TH = 240 µs	0.26 A (3x18) 0.34 A (4x18)	0.26 A (3x18) 0.34 A (4x18)