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Manufacturer: Osram GmbH Marcel-Breuer-Straße 6 D-80807 München	Type / description: ECG-type: Oti DALI 25/220-240/700 LT2 (ident code: AB42877)					
Features:	CEAG data:	Complies: (Yes/No)				
Control gear suitable for a DC voltage range:	186V - 260V DC (for Lead-Battery) Possible voltage range of the battery in emergency mode 186V - 275V DC (for NiCD-Battery) (Not for AT-S ⁺ Systems required)		Yes			
Control gear compatible with the switch-over time of the system?	Switch-over time: Typical switch-over time of CEAG systems between 180 ms - 450 ms mains supply and emergency power supply		Yes			
Starting behavior of the control gear:	Stable current consumption after less than 1.6 sec. maximum.	Necessary for an individual monitoring. $\Delta I < 12,5$ mA per luminaire, with max. 20 luminaires per circuit ΔI sum < 250 mA	Yes			
only for flourescent lamps: Control gear complies with the standard:	AC and/or DC-supplied electronic control gear for tubu fluorescent lamps - Performance requirements		not relevant			
only for flourescent lamps: Control gear complies with the standard:	DIN EN 61347-2-3 (incl. Attachment J)	I EN 61347-2-3 (incl. Attachment J) Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps				
only for LED: Control gear complies with the standard:	DIN EN 62384	EN 62384 DC. Or AC supplied electronic control gear for LED modules - Performance requirements				
only for LED: Control gear complies with the standard:	DIN EN 61347-2-13	Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules	Yes			
Fullfilled the standard:	DIN EN 55015 (Measurement on AC And DC)	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	Yes			
Fullfilled the standard:	DIN EN 61000-3-2	Electromagnetic compatibility (EMC) — Part 3-2: Limits — Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)	Yes			
Fullfilled the standard:	DIN EN 61547	Equipment for general lighting purposes — EMC immunity requirements	Yes (*3)			
Fullfilled the DALI standards:	DIN EN 62386-101 /-102 / -207	Control gear must have the DALI Logo (*1)	Yes			
Note: VDE 0108 is not a standard for ECG, ma	rking is not applicable	-				
Features:	CEAG-Data:	Comment:	Manufacturer's instructions:			
Important for function test! According to IEC 62386 Part 102 Support of : DALI command 145 (Query Control Gear) DALI command 146 (Query Lamp Failure)	According to IEC 62386 Part 102	To detect a lamp failure, the V-CG-SB.1 module send DALI command queries (145/146) to the DALI LED driver	Yes			
Important for DC light output: Behavior in DC operation: - Unlocked DC light output level - Locked DC light output level	DC light output settings on V-CG-SB.1 only active if control gear is unlocked!	In case of locked DC light output level, the DC level of V-CG-SB.1 is not active !	Unlocked DC [] Locked DC [x]			
Important for lighting design: If locked DC light output the lightout level in % is required	No control of light output level from V-CG- SB.1 in DC operation possible!	Locked light output level in %, e.g. 15% (*2)	15%			
Important for the contact load SKU: Max. inrush current each converter/luminaire in AC-operation:	Max. permitted inrush current per circuit: SKU 2 x 3A (CG) => 120 A SKU 1 x 6A (CG) => 180 A SKU 4 x 1,5A CG-S => 60 A SKU 2 x 3A CG-S => 250 A SKU 1 x 6A CG-S => 250 A SOU CG-S // S* => 250 A SU S* => 250 A	Describes the max. inrush current of all ballasts in a circuit, to calculate the maximum contact rating of the circuit.	lp=10,2A / Th=38µs			
Important for lighting design: Luminous flux ratio: DC-operation at 186 V in comparison to 230 V AC operation	-	Light output In battery opertion of the ballast, for the light calculation (*2)	15%			

Luminaires, which are used for emergency lighting, must be according to the standard DIN EN 60598-2-22 (particular requirements - Luminaires for emergency lighting)

*1: Control of V-CG-SB.1 to the DALI LED driver is 100% done via DALI-commands according to IEC 62386-101 /-102 so the DALI LED driver must sign with the DALI logo

*2: The DC Output Level is locked in DC Mode to 15%, it is possibe to unlock with DALI magic and Tuner 4 Tronic

*3: Not to be used in high risk areas, special release required Max. 1 DALI- Driver to wire with 1 V-CG-SB.1

In use of manifold ballasts, the different lamp failure detection of the manufacturer must be consider! Some devices don't detect a failure if one lamp is defect.

Date: 21.March.2017

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Requirements for electronic non-dimmable control gears for fluorescent lamps and LED



Manufacturer: OSRAM GmbH	Product:	
Marcel-Breuer Str. 6	Oti DALI 25/220-240/700 LT2	OSRAM
D-80807 München		

LED controller type	Values for load range	IN IN AC- operation (230V) / mA (trms)	IN in AC- operation (240V) / mA (trms)	IN IN DC- operation (186V) / mA (trms)	IN IN DC- operation (216V) / mA (trms)	IN in DC- operation (240V) / mA (trms)	IN IN DC- operation (260V) / mA (trms)
Oti DALI 25/220-240/700 LT2							
	Umin, Imin	53,57	55,04	9,15	9,68	9,54	9,20
	Umin, Imax	65,49	69,47	13,29	11,88	12,00	12,04
	Umax, Imin	65,40	66,14	13,82	12,16	12,17	12,22
	Umax, Imax	133,81	130,29	36,14	31,83	29,23	27,51
	Open Load	34,54	42,92	11,08	10,97	10,85	10,81
	Short Load	34,51	42,90	11,05	10,96	10,83	10,77

Maximum inrush current for ECG in AC Operation

Ipeak= 10,2 A TH= 38 μs