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Λanufacturer: ⊃sram GmbH Λarcel-Breuer-Straße 6	Type / description: ECG-type: Oti DALI 35/220-240/1A0 LT2 (ident code: AB42876)					
arcel-Breuer-Straße 6 D-80807 München						
Features:	CEAG data:	Complies: (Yes/No)				
control gear suitable for DC voltage range:	186V - 260V DC (for Lead-Battery) 186V - 275V DC (for NiCD-Battery)	Possible voltage range of the battery in emergency mode. (Not for AT-S ⁺ Systems required)	Yes			
control gear compatible with the witch-over time of the system?	Switch-over time: 180 ms - 450 ms	Typical switch-over time of CEAG systems between 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. $\Delta I < 12,5 mA per luminaire, with max. 20 luminaires percircuit \Delta I sum < 250 mA$	Yes			
nly for flourescent lamps: Control gear complies with the tandard:	DIN EN 60929	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	not relevant			
nly for flourescent lamps: Control gear complies with the tandard:	DIN EN 61347-2-3 (incl. Attachment J)	Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps	not relevant			
nly for LED: Control gear complies with the tandard:	DIN EN 62384	DC. Or AC supplied electronic control gear for LED modules - Performance requirements	Yes			
nly for LED: Control gear complies with the tandard:	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			
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)			
ulfilled the DALI standards:	DIN EN 62386-101 /-102 / -207	Control gear must have the DALI Logo (*1)	Yes			
lote: VDE 0108 is not a standard for ECG, mari	king is not applicable					
Features:	CEAG-Data:	Comment:	Manufacturer's instructions:			
mportant for function test! According to IEC 62386 Part 102 Support of : ALI command 145 Query Control Gear) ALI 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			
mportant 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]			
nportant for light output the lightout locked DC light output the lightout vel in % is required		Locked light output level in %, e.g. 15% (*2)	15%			
mportant for the contact load SKU: /lax, 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 CGS => 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=10,4A / Th=54µs			
SUS => 250 A mportant for lighting design: uminous flux ratio: DC-operation at 186 V in comparison - 02 - operation at 266 V in comparison - 02 30 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 Marcel-Breuer Str. 6	Product: Oti DALI 35/220-240/1A0 LT2	OSRAM
D-80807 München		CONTAIN

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)	lℕ in DC- operation (260V / mA (trms)
Oti DALI 35/220-240/1A0 LT2							
	Umin, Imin	59,70	61,05	11,08	11,09	10,61	10,22
	Umin, Imax	98,09	91,20	20,96	18,14	16,25	15,74
	Umax, Imin	98,44	95,94	21,91	19,04	17,14	16,14
	Umax, Imax	149,22	145,12	52,19	45,62	41,55	38,86
	Open Load	34,00	42,24	10,93	10,78	10,66	10,59
	Short Load	34,00	42,24	10,86	10,77	10,66	10,59

Maximum inrush current for ECG in AC Operation

lpeak= TH=

10,4 A 54 µs