

Control gear suitable for a DC voltage range: Control gear compatible with the switch-over time of the system? Starting behavior of the control gear: only for flourescent lamps: Control gear complies with the standard: only for flourescent lamps: Control gear complies with the standard: only for LED: Control gear complies with the standard:	ECG-type: Oti DALI 100/220-240/700 E CEAG data: 186V - 260V DC (for Lead-Battery) Switch-over time: 180 ms - 450 ms Stable current consumption after less than 1.6 sec. maximum. DIN EN 60929 DIN EN 61347-2-3 (incl. Attachment J) DIN EN 62384 DIN EN 61347-2-13	Possible voltage range of the battery in emergency mode. (Not for AT-S* Systems required) Typical switch-over time of CEAG systems between mains supply and emergency power supply A stable operation of the control gear after 1.6 seconds of start up is required for the right functionality of the individual monitoring. With max. 20 luminaires for one current circuit: Δ I in sum < 250 mA are allowed AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps DC. Or AC supplied electronic control gear for LED modules - Performance requirements	info	Sufacturer ormation ies: YES/NO
Control gear suitable for a DC voltage range: Control gear compatible with the switch-over time of the system? Starting behavior of the control gear: only for flourescent lamps: Control gear complies with the standard: only for flourescent lamps: Control gear complies with the standard: only for LED: Control gear complies with the standard:	186V - 260V DC (for Lead-Battery) Switch-over time: 180 ms - 450 ms Stable current consumption after less than 1.6 sec. maximum. DIN EN 60929 DIN EN 61347-2-3 (incl. Attachment J) DIN EN 62384	Possible voltage range of the battery in emergency mode. (Not for AT-S* Systems required) Typical switch-over time of CEAG systems between mains supply and emergency power supply A stable operation of the control gear after 1.6 seconds of start up is required for the right functionality of the individual monitoring. With max. 20 luminaires for one current circuit: Δ I in sum < 250 mA are allowed AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps DC. Or AC supplied electronic control gear for LED modules -	YES NO YES NO YES NO YES NO YES NO YES NO	
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Control gear complies with the standard: only for flourescent lamps: Control gear complies with the standard: only for LED: Control gear complies with the standard:	DIN EN 61347-2-3 (incl. Attachment J) DIN EN 62384	fluorescent lamps - Performance requirements Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps DC. Or AC supplied electronic control gear for LED modules -	NO YES NO	
Control gear complies with the standard: only for LED: Control gear complies with the standard:	DIN EN 62384	control gear for fluorescent lamps DC. Or AC supplied electronic control gear for LED modules -	NO	
only for LED: Control gear complies with the standard: only for LED:			YES	
only for LED:	DIN EN 61347-2-13		NO	
		Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules	YES NO	
ruifilied 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 NO	D D
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 NO	
Fullfilled the standard:	DIN EN 61547	Equipment for general lighting purposes — EMC immunity requirements	YES NO	×
Fullfilled the DALI standards:	DIN EN 62386-101 /-102 / -207*	Control gear must have the DALI Logo*	YES NO	
Note: VDE 0108 is not a standard for ECG, markin	ing is not applicable		4	
Features:	CEAG-Data:	Explanation:	Manufacturer information:	
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. These DALI commands are necessary to ensure the lamp failure detection, and must be support by the control gear.		X
- 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 (EOF=Emergency Output Level), the DC level of V-CG-SB.1 is not active!	Unlocked Locked	
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%	15%	
Note: Important for the planning - Ma				
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, contact rating of the circuit.	to calculate	the maximum
	aires, which are used for emergency lighting	g, must be according to the standard DIN EN 60598-2-22		
	(particular requirements - Ludriver is 100% done via DALI-commands acco	uminaires for emergency lighting)		

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: 13.Jun.2018



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



Manufacturer:	Product:	
OSRAM GmbH		OCDAM
Marcel-Breuer Str. 6	Oti DALI 100/220-240/700 D NFC IND L	USRAM
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 100/220-240/700 D NFC IND	L						
	Umin, Imin	90,98	90,56	19,36	16,62	14,37	12,97
	Umin, Imax	230,49	206,75	42,73	36,19	32,27	29,57
	Umax, Imin	289,13	278,13	62,98	53,38	47,61	43,90
	Umax, Imax	469,04	449,08	91,28	78,31	69,82	64,49
	Open Load	39,68	49,21	12,81	12,32	12,08	11,97
	Short Load	39,45	49,21	12,81	12,46	12,11	11,96

Maximum inrush current for ECG in AC Operation

Ipeak=

16 A

TH=

12,8 μs