

Requirements for Manufacturer: OSRAM GmbH Marcel-Breuer-Str. 6	Version 4 Manufacturer information					
D-80807 München			Complies: YES/NO			
Features:	CEAG data:	Explanation:				
Control gear suitable for a DC voltage range:	186V - 260V DC (for Lead-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: 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.	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	YES			
Control gear compatible with CEAG STAR-Technology:	Phase-cut telegram (PAT): max. 30 phases (half waves) with max. 60° phase-cuts	During the CEAG STAR switching process, up to 30 half- waves are cut at a maximum of 60°. The control gear must not exhibit any malfunctions such as switching off, flickering	YES			
only for flourescent lamps: Control gear complies with the standard:	DIN EN 60929	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	for tubular Not Relevant			
only for flourescent lamps: Control gear complies with the standard:	DIN EN 61347-2-3 (incl. Attachment J)	Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps	Not Relevant			
only for LED: Control gear complies with the standard:	DIN EN 62384 DC. Or AC supplied electronic control gear for LEI Performance requirements		YES			
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			
Fullfilled the DALI standards:	DIN EN 62386-101 /-102 / -207*	IN EN 62386-101 /-102 / -207* Control gear must have the DALI Logo*				
lote: VDE 0108 is not a standard for ECG, mar	king is not applicable					
Features:	CEAG-Data:	Explanation:	Manufacturer information:			
mportant 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.		YES			
mportant for DC operation: DALI light level	In case of locked DALI light level in DC operation (EOF=Emergency Output Level),	In DC-emergency case the DALI-Light Level is locked to prevent unwanted changes of the luminous flux.	LOCKED			
mportant for lighting design: f DALI-Light level is locked, the value of the preset DC-Lightlevel in %) is required	the V-CG-SB.1 can not change the light level !	Pre-set DC-Light Level e.g. 15% (DALI-value 185 for logarithmic dimming curve)	15%			
Note: Important for the planning -						
mportant 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	itted inrush current per circuit: A (CG) => 120 A A (CG) => 180 A 5A CG-S => 60 A A CG-S => 250 A The declaration of the inrush current of the luminaire is important, to calculate the max possible luminaires on one circuit, to consider the max. contact load limitation of the circuit is important. // S ⁺ => 250 A				
Lumin	aires, which are used for emergency lighting	g, must be according to the standard DIN EN 60598-2-22				
so the DALI LED driver must sign with Max. 1 DALI- Driver to wire with 1 V-	D driver is 100% done via DALI-commands acc the DALI logo CG-SB.1					
n use of manifold ballasts, the differen	t lamp failure detection of the manufacturer mu	st be consider! Some devices don`t detect a failure if one lamp is	s defect. 17.March.2020			

Manufacturer:	Product:	
OSRAM GmbH		
Marcel-Breuer Str. 6	OTi_DALI_300_220_240_1A6_D_NFC_IND_L10	OSRAM GmbH
D-80807 München	(4062172186155)	CSNAM GINDI

Table 1

			Nominal current of the control gear with connected illuminant in AC-operation		Nominal current of the control gear with connected illuminant in DC- operation (Default output current in emergency mode = 15%)			
Values for load range			I _N @U _N = 230V [mA trms]	I _N @U _N = 240V [mA trms]	I _N @U _N = 186V [mA trms]	I _N @U _N = 216V [mA trms]	I _N @U _N = 240V [mA trms]	I _N @U _N = 260V [mA trms]
Minimum Load /mA	Uout= Iout= P=	60 V 250 mA 15 W	208	211	123	116	109	106
Medium Load /mA	Uout= Iout= P=	96 V 1550 mA 149 W	730	702	185	166	152	142
Maximum Load /mA	Uout= Iout= P=	193 V 1550 mA 299 W	1390	1333	234	234	234	234
Short Load			174	177	116	110	104	99
Open Load			173	176	115	109	103	98

Remarks:

This table shows the currents consumption of the driver at three different operating points (Pmax, Pmed, Pmin) for AC and DC operation.

In DC operation the output current is reduced to 15% light level according to the default parameter setting. This level can be changed via T4T.