

	T	ype / description:					
Manufacturer: OSRAM GmbH Marcel-Breuer-Str. 6 D-80807 München	T ECG-type: OT DALI CV 80/220-240/24 1CH 0 Date: 21.07.2022	Manufacturer Information Complies: YES/NC					
Features:	CEAG data:						
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 <sup>+</sup> Systems required)	Yes				
Control gear compatible with the switch-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.	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	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 LED modules - 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 61547	Equipment for general lighting purposes — EMC immunity requirements	Yes				
Fullfilled the DALI standards:	DIN EN 62386-101 /-102 / -207*	Control gear must have the DALI Logo*	Yes				
Note: VDE 0108 is not a standard for ECG, mar	king is not applicable		Manufacturer				
Features:	CEAG-Data:	Explanation:	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				
Important 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	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%				
in %) is required  Note: Important for the planning -	Max. no. Of luminiares per circuit						
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  SKU 1 x 6A CG-S => 250 A  SCU CG-S // S* => 250 A  SOU CG-S // S* => 250 A						
Lumin	SU S <sup>+</sup> => 250 A saires, which are used for emergency lighting	g, must be according to the standard DIN EN 60598-2-22					
Lannu		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.

06,March.2021

Manufacturer:	Product:	
OSRAM GmbH		
Marcel-Breuer Str. 6	Oti 80/220-240/24 1CH G3	OSRAM GmbH
D-80807 München	4062172274364	OSKAM GIIDH

## Table 1

					AC-operation				(For DALI Dev	DC-Operation ices @ default DC Dim	level e.g. 15%)	
Values for load range			189VAC/50Hz ltrms_in ( mA )	230VAC/50Hz ltrms_ln ( mA )	240VAC/50Hz itrms_in ( mA )	264VAC/50Hz ltrms_in ( mA )	AC Dali level	186VDC Itrms_in ( mA )	216VDC Itrms_in ( mA )	240VDC ltrms_in ( mA )	260VDC ltrms_in ( mA )	DC Dall Level
Min. Load /mA	P_out=	15 W	104	94	92	90	194	101	87	78	72	194
Mid. Load /mA	P_out=	40 W	235	194	188	174	229	242	207	185	171	229
Max. Load /mA	P_out=	80 W	456	374	357	327	254	468	398	357	329	254
Short/Open Load			39	39	40	42		13	11	11	11	/

## Remarks:

- 1.) This table shows the currents consumption of the driver at three different operating points (Pmax, Pmid, Pmin) for AC and DC operation.
- 2.) This table is intended for rough design desicions . It is not a replacement for individual functional measurments!

MILKITE MEHEGAZZI