

ECG-type: OT DALI CV 160/220-240/24 2CH Date: 22.07.2022  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.	ype / description:  _DT6_DT8 G3 (4062172274326)  Explanation:  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	Manufacturer information Complies: YES/NO	
186V - 260V DC (for Lead-Battery)  Switch-over time: 180 ms - 450 ms  Stable current consumption	Possible voltage range of the battery in emergency mode.  (Not for AT-S* Systems required)  Typical switch-over time of CEAG systems between	Yes	
Switch-over time: 180 ms - 450 ms Stable current consumption	(Not for AT-S* Systems required)  Typical switch-over time of CEAG systems between	Yes	
180 ms - 450 ms  Stable current consumption		Yes	
l control of the cont		Yes	
	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	
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	
DIN EN 60929	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	Not relevant	
DIN EN 61347-2-3 (incl. Attachment J)	Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps	Not relevant	
DIN EN 62384	DC. Or AC supplied electronic control gear for LED modules - Performance requirements	Yes	
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	
DIN EN 61547	Equipment for general lighting purposes — EMC immunity requirements	Yes	
DIN EN 62386-101 /-102 / -207*	Control gear must have the DALI Logo*	Yes	
rking is not applicable	r	Manufacturer	
CEAG-Data:	Explanation:	information:	
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	
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	
the V-CG-SB.1 can not change the light level I	Pre-set DC-Light Level e.g. 15% (DALI-value 185 for logarithmic dimming curve)	15%	
Max. no. Of luminiares per circuit			
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 <sup>+</sup> => 250 A SU S <sup>+</sup> => 250 A	tant, to calculate the max load limitation of the circ		
	DIN EN 60929  DIN EN 61347-2-3 (incl. Attachment J)  DIN EN 62384  DIN EN 62384  DIN EN 61347-2-13  DIN EN 65015 (Measurement on AC And DC)  DIN EN 61547  DIN EN 62386-101 /-102 / -207*  Ring is not applicable  CEAG-Data:  According to IEC 62386 Part 102  In case of locked DALI light level in DC operation (EOF=Emergency Output Level), the V-CG-SB.1 can not change the light level I  Max. no. Of luminiares per circuit  Max. permitted inrush current per circuit: SKU 2 x 3A (CG) => 120 A SKU 1 x 6A (CG) => 180 A SKU 1 x 6A (CG) => 180 A SKU 1 x 6A (CG-S => 250 A SKU 1 x 6A CG-S => 250 A SU 1 x 6A CG-S => 250 A SU S* =	DIN EN 60929  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  DIN EN 61347-2-3 (incl. Attachment J)  DIN EN 62384  DC. Or AC supplied electronic control gear for LED modules - Performance requirements  Lamp controlgear — Part 2-13: Particular requirements for d. c. or a. c. supplied electronic controlgear for LED modules  Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment  Equipment for general lighting purposes — EMC immunity requirements  Cantrol gear must have the DALI Logo*  Cantrol gear must have the DALI Logo*  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.  In case of locked DALI light level in DC operation (EDF=Emergency Output Level), the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 can not change the light level 1 by the V-CG-SB.1 by t	

so the DALI LED driver must sign with the DALI logo

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: OSRAM GmbH	Product:	
Marcel-Breuer Str. 6 D-80807 München	Oti 160/220-240/24 2CH DT6/DT8 G3 4062172274326	OSRAM GmbH

## Table 1

			AC-operation AC-operation					DC-Operation (For DALI Devices @ default DC Dim level e.g. 15%)					
Values for load range			189VAC/50Hz ltrms_in ( mA )	230VAC/50Hz ltrms_in ( mA )	240VAC/50Hz Itrms_in ( mA )	264VAC/50Hz ltrms_in ( mA )	AC Dali level	186VDC ltrms_in ( mA )	216VDC ltrms_in ( mA )	240VDC ltrms_in { mA }	260VDC Itrms_in ( mA )	DC Dali Level	
Min. Load /mA	P_out=	15 W	not supported (128)	120	121	120	170	108	91	82	76	170	
Mid. Load /mA	P_out=	77 W	not supported (450)	371	357	332	229	455	390	349	323	229	
Max. Load /mA	P_out=	152 W	not supported (919)	718	693	676	254	899	768	688	634	254	
Short/Open Load			not supported (52)	70	72	77		20	20	19	18		

## 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!

MICHIBLE MENEGA 281

A.