

Manufacturer: DSRAM GmbH Marcel-Breuer-Str. 6 D-80807 München		/pe / description:	Manufacturer			
	ECG-type: OTi DALI 25/220-240/700 Ni	information 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 switch over time of the system?		Typical switch-over time of CEAG systems between mains supply and emergency power supply	YES			
Starting behavior of the control gear:	A stable operation of the control gear after 1.6 seconds of sta up is required for the right functionality of the individual monitoring. With max. 20 luminaires for one current circuit: \(\Delta \) I in sum < 250 mA are allowed		YES			
Control gear compatible with CEAG STAR-Technology:	max. 30 phases (half waves) with max. 60°	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:	11 JIN FN 6 1 347-2-1 3	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*	Control gear must have the DALI Logo*	YES			
Note: VDE 0108 is not a standard for ECG, marking	ng 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 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	Pre-set DC-Light Level e.g. 15% (DALI-value 185 for logarithmic dimming curve)	15%			
Note: Important for the planning - N						
	Max. permitted inrush current per circuit: SKU 2 x 3A (CG) => 120 A SKU 1 x 6A (CG) => 180 A	$Ipeak = 15 \ A, \ TH = 220 \ ms$ 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				
mportant for the contact load SKU: Max. inrush current each converter/luminaire in AC-operation:	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	·				

*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

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.

17.March.2020

Manufacturer:	Product:	
OSRAM GmbH		
Marcel-Breuer Str. 6 D-80807 München	OTi DALI 25/220-240/700 NFC	OSRAM GmbH
D-80807 Widnesterr		

Table 1

			AC-operation		DC-Operation (Current measured at driver`s default DC level of 15%)			
Values for load range			AC-operation @ 230V (mA)	AC-operation @ 240V (mA)	186V (mA)	216V (mA)	240V (mA)	260V (mA)
Minimum Load /mA	Uout= lout= P=	15 V 180 mA 2,7 W	35	35	14	13	13	13
Mid Load /mA	Uout= lout= P=	50 V 270 mA 13,5 W	80	75	24	23	21	21
Maximum Load /mA	Uout= lout= P=	38 V 700 mA 27 W	140	135	34	30	27	24
Short Load			20	20	12	12	12	12
Open Load			20	20	12	12	12	12

Remarks:

This table shows the currents consumption of the driver at three different operating points (Pmax, Pmid, Pmin) for AC and DC operation. In DC operation the output current is reduced to 15% light level according default parameter setting. This level can be changed via T4T.