

Requirements for	dimmable DALI control gear	rs for fluorescent lamps and LED	Version 4
Manufacturer: DSRAM GmbH Marcel-Breuer-Str. 6 D-80807 München	ECG-type: OTi DALI 15_220-240_1A0_NFC (4062172061766) Date: 28.02.2023		Manufacturer 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?	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 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, man	king is not applicable		Manufactures
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.	
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: /lax. inrush current each :onverter/luminaire in \C-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	22.8A / 25.6μs 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 circu	
Lumir		g, must be according to the standard DIN EN 60598-2-22 uminaires for emergency lighting)	
*Control of V-CG-SB.1 to the DALI LEI 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 according the DALI logo		
		st be consider! Some devices don`t detect a failure if one lamp is	s defect.