

Manufacturer:		Type / description:					
Inventronics GmbH Berliner Allee 65 86153 Augsburg, Germany	ECG-type: OT 40_170-240_1A0 4DIM NFC Date: 12.10.2023	Manufacturer information Complies: YES/NO					
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 ⁺ Systems required)	Yes				
Control gear compatible with the witch-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.	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					
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:	DC. Or AC supplied electronic control gear for LED mod 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					
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				
lote: VDE 0108 is not a standard for ECG, mai	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	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)	75%				
in %) is required Note: Important for the planning -	Max. no. Of luminiares per circuit						
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 Max. permitted inrush current per circuit: SKU 2 x 3A (CG) => 120 A SKU 1 x 6A (CG) => 180 A SKU 2 x 3A CG-S => 60 A SKU 2 x 3A CG-S => 250 A The declaration of the inrush current of the luminaire is important, the contraction of the inrush current of the luminaire is important, the contraction of the inrush current of the luminaire is important, the contraction of the inrush current of the luminaire is important, the contraction of the inrush current of the luminaire is important, the contract load SKU:						
Lumir	naires, which are used for emergency lighting	g, must be according to the standard DIN EN 60598-2-22					

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.

As Out 2009

12.Oct.2023

Manufacturer:	Product:	
Inventronics GmbH		
Berliner Allee 65	OT 40_170-240_1A0 4DIM NFC G3 CE	Inventronics GmbH
86153 Augsburg, Germany	(AM41129)	inventionics dilibri
www.inventronicsglobal.com		

Table 1

				AC-o _i	peration			DC-C (For DALI Devices @ de	Operation fault DC Dim level e.g. 1	15%)
Values for load rang	ge		189VAC/50Hz Itrms_in (mA)	230VAC/50Hz Itrms_in (mA)	240VAC/50Hz Itrms_in (mA)	264VAC/50Hz Itrms_in (mA)	186VDC Idc_in (mA)	216VDC Idc_in (mA)	240VDC Idc_in (mA)	260VDC Idc_in (mA)
Min. Load /mA	Uout= lout=	13.6 V 150.2 mA	not supported (25.5)	27.7	28.3	31.4	16.4	14.1	12.9	12.3
	P=	2.1 W	PF: 0.647	PF: 0.507	PF:0.479	PF: 0.388	PF: NA	PF: NA	PF: NA	PF: NA
Mid. Load /mA	Uout= lout=	14.7 V 1074mA	not supported (110)	89.5	87.0	80.8	110.0	92.8	83.2	78.4
	P=	15.9 W	PF:0.975	PF: 0.974	PF:0.971	PF:0.956	PF: NA	PF: NA	PF: NA	PF: NA
Max. Load /mA	Uout= lout=	37.9 V 1077 mA	not supported (255.4)	209.7	218.4	201.6	189.9	161.6	144.5	133.0
	P=	40.9 W	PF:0.972	PF: 0.966	PF:0.886	PF:0.866	PF: NA	PF: NA	PF: NA	PF: NA
Short/Open Load			not supported (17.3)	19.9	20.5	21.8	0.7	0.6	0.6	0.6
			PF:0.05	PF: 0.04	PF:0.04	0.04	PF: NA	PF: NA	PF: NA	PF: NA

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!