

	Type / description.	
ECG-type: OT FIT 55/220240/1A0 NFC L Date: 23.09.2022	Type / description: (4062172064026)	Manufacturer information
CEAG data:	Explanation:	Complies: YES/NC
186V - 260V DC (for Lead-Battery)	Possible voltage range of the battery in emergency mode. (Not for AT-S* Systems required)	Yes
Switch-over time: 180 ms - 450 ms	Typical switch-over time of CEAG systems between mains supply and emergency power supply	Yes
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: $\Delta$ 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	AC or DC supplied electronic control gear for LED modules - Performance requirements	Yes
DIN EN 61347-2-13	Particular requirements for AC or DC supplied electronic control gear for LED modules	Yes
DIN EN 55015 (Measured in AC and DC)	Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment	Yes
DIN EN 61000-3-2, Pkt. 7.3 a.)	see *Important note!	Yes
DIN EN 61547	Equipment for general lighting purposes - EMC immunity requirements	Yes
not meaningful, because this is not a control gear standard!		Manufacturar
CEAG data:	Explanation:	Manufacturer information:
V-CG-S2: >9,4 mA or >12,7 mA = OK V-CG-S: >16 mA or >47 mA = OK V-CG-SE: >16 mA or >47 mA = OK V-CG-SUW: >47 mA = OK	In the voltage range of 189 - 264V AC on AT-S+ or 186 - 260V DC on ZB-S/LP-STAR the input current must be	AC: see Table (AT-S+) DC: see Table
CG-K: >16 mA or >47 mA = OK	see *Important note!	(ZB-S/LP-STAR)
V-CG-S2: <5,8 mA or <7,9 mA = n.OK V-CG-S: <10 mA or <28 mA = n.OK V-CG-SE: <10 mA or <28 mA = n.OK	BAD detection via the monitoring module.	AC: see Table (AT-S+)
CG-K: <10 mA or <28 mA = n.OK		DC: see Table (ZB-S/LP-STAR)
V-CG-SE = 30 A		AC: see Table
CG-K = 30 A		DC: see Table
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	20A/200us per pcs.  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.	
	Switch-over time: 180 ms - 450 ms  Stable current consumption after less than 1.6 sec. maximum.  Phase-cut telegram (PAT): max. 30 phases (half waves) with max. 60° phase-cuts  DIN EN 60929  DIN EN 61347-2-3 (incl. Attachment J)  DIN EN 62384  DIN EN 61347-2-13  DIN EN 61347-2-13  DIN EN 61000-3-2, Pkt. 7.3 a.)  DIN EN 61000-3-2, Pkt. 7.3 a.)  DIN EN 61547  mot meaningful, because this is not a control gear standard!  CEAG data:  V-CG-S2: >9,4 mA or >12,7 mA = OK V-CG-SE: >16 mA or >47 mA = OK V-CG-SE: >16 mA or >47 mA = OK V-CG-SUW: >47 mA = OK V-CG-SE: <10 mA or <28 mA = n.OK V-CG-SE:	Possible voltage range of the battery in emergency mode. (Not for AT-S* Systems required)   Switch-over time: 180 ms - 450 ms

## \*Important note!

For AT-S+ systems and for battery systems (ZB-S / LP-STAR) with active preliminary time for AC about 300 seconds (EOL detection of T5 lamps) for the function test, the current consumption must be sinusoidal, t.m. all control gears (<25W as well) must have an active PFC (Power Factor Correction)!

See DIN EN 61000-3-2, Pkt. 7.3 a.)

Note EOL (End of Life) detection (T5 > 14Watt): The AC preliminary time is valid for the complete system (e.g. ZB-S), not possible for individual circuits.

The modules of the V-CG-S series monitor the current consumption on the primary side of the control gear for LED modules within the specified limits. Failures of individual LEDs (low-impedance) on the secondary side do not inevitably lead to a modification of current consumption on the primary side, and in such cases cannot be detected as a failure.