

| Manufacturer: | Type / Description: | | |
|-------------------------------|--|--|--|
| OSRAM GmbH | Luminaire: | | |
| Marcel-Breuer-Str. 6 | EVG: Oti DALI 35/220-240/400 LT2 L (ident code: AM00139) | | |
| D-80807 Munich | LED: | | |
| Project / Place / Project ID: | Specified by: | | |
| | Name: D. Graser | | |
| | Company: OSRAM GmbH | | |
| | Date: 22.06.2017 | | |

| Features | | Techn. data / INOTEC requirements | Explanation | Fullfilled (Yes / No) | |
|--------------------|---|---|---|-----------------------|--|
| 1 Voltage range AC | | 230V ± 10% | Voltage range in normal mains operation | YES | |
| 2 | Voltage range DC | 186V - 260V | Possible voltage range in emergency operation | YES | |
| 3 | Control gear suitable for "Joker-Voltage" ? | B2-rectification of the AC voltage (without smoothing) | Pulsating DC voltage | YES | |
| 4 | Control gear compatible with change- over time of the system? | Change-over time: 150 - 1000ms | Typical change-over time of INOTEC systems between mains- and battery operation | YES | |
| 5 | Starting behavior of the control gear in DC operation | Stable current consumption within 1,6s | Necessary for individual lamp monitoring (SV) | YES | |
| 6 | Control gear complies with the standard: (only for fluorescent lamps) | DIN EN 60929 | AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements | not relevant | |
| 7 | Control gear complies with the standard: (only for fluorescent lamps) | DIN EN 61347-2-3 (incl. Attachment J) | Particular requirements for AC and/or DC supplied electronic control gear for fluorescent lamps | not relevant | |
| 8 | Control gear complies with the standard: (only for LED) | DIN EN 62384 | DC or AC supplied electronic control gear for LED modules - Performance requirements | YES | |
| 9 | Control gear complies with the standard: (only for LED) | DIN EN 61347-2-13 | Lamp control gear - Part 2-13: Particular requirements for DC or AC supplied electronic control gear for LED modules | YES | |
| 10 | Control gear complies with the standard: | DIN EN 55015 (Measurement on AC and DC) | Limits and methods of measurement of radio interference | YES | |
| 11 | Control gear complies with 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 | |
| 12 | Control gear complies with the standard: | DIN EN 61547 | Equipment for general lighting purposes — EMC immunity requirements | (*3) YES | |
| 13 | Control gear complies with the DALI- standards: | mplies with the DALI- DIN EN 62386-101 /-102 / -207 Control gear must have the DALI Logo | | (*1) YES | |

Note: VDE 0108 is not a standard for ECG, marking is not applicable



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| Features | | Techn. data / INOTEC requirements | Explanation | Manufacturer information | |
|----------|---|--|--|--------------------------|--|
| 14 | Nominal current of the control gear with connected illuminant in AC- operation (230V) | | Selection guide for the calculation of the max. number of luminairs per circuit | See Table1 | |
| 15 | Nominal current of the control gear with connected illuminant in DC- operation (216V) | | Selection guide for the calculation of the necessary battery capacity | See Table1 | |
| 16 | Behavier control gear in DC operation: - Unlocked light output level - Locked light output level (Dimming on DC) | The DC-light output settings on the DALI-SV- Module is only active if control gear is unlocked | In case of locked DC light output level, the DC level of the DALI-SV-Module is not active! | (*4) locked | |
| 17 | Light output level in DC operation with locked light output level (Dimming on DC) | No control of light output level from DALI-SV Module in DC operation possible | Locked light output level in %. Important for lighting design. | (*4) 15% | |
| 18 | Using the DALI command 146 (Query Lamp Failure) acc. IEC 62386 Part 102 | According to IEC 62386 Part 102 | Important for function test: To detect a lamp failure, the DALI-SV-Module send the DALI command query 146 to the DALI driver Attention: The query is made after 2 / 2,5 / 3 seconds | YES | |
| 19 | Max. inrush current of the control gear with connected illuminant in AC operation (230V) | Max. permitted inrush current per circuit: SK 4x2A: 250A / 500µs SK 2x4A: 250A / 500µs SK 2x3A: 250A / 500µs SK 1x6A: 250A / 500µs | Describes the max. inrush current of all ballasts in a circuit, to calculate the maximum contact rating of the circuit | 17A / 183 μs (*2) | |

Luminaires, which should work as emergency lighting, have to be in accordance with DIN EN 60598-2-22. (Particular requirements - Luminaires for emergency lighting)

Notes:

(*1): Control of DALI-SV-Module to the DALI driver is 100% done via DALI-commands according to IEC 62386-101 /-102, so the DALI driver must sign with the DALI logo.

(*2): For calculation the inrush current of the monitoring module must be taken into consideration!

(*3): Not to be used in high risk areas, special release required

(*4): The light input level is locked in DC-operation. Factory setting is 15% of the maximum level. It is possible to change the behavior of the controlgear in DC-operation.

For the correctness:

Munich, 22.06.2017

Place, Date



DS OM LAB&SQ



Table1:

| Manufacturer: OSRAM GmbH | Product: | |
|-----------------------------|-------------------------------|-------|
| Marcel-Breuer Str. 6 | Oti DALI 35/220-240/400 LT2 L | OSRAM |
| D-80807 München | | |
| | | |

| LED controller type | Values for load range | IN in AC- operation (230V) / mA (trms) | IN in AC- operation (240V) / mA (trms) | IN in DC- operation (186V) / mA (trms) | IN in DC- operation (216V) / mA (trms) | IN in DC- operation (240V) / mA (trms) | IN in DC- operation (260V) / mA (trms) |
|-------------------------------|-----------------------|---|---|---|---|---|---|
| Oti DALI 35/220-240/400 LT2 L | | | | | | | |
| | Umin, Imin | 44,09 | 44,26 | 10,03 | 8,74 | 8,20 | 7,88 |
| | Umin, Imax | 123,13 | 112,08 | 24,43 | 20,61 | 18,63 | 17,31 |
| | Umax, Imin | 102,03 | 99,37 | 25,12 | 21,73 | 19,68 | 18,20 |
| | Umax, Imax | 113,60 | 110,54 | 39,25 | 33,78 | 30,52 | 28,47 |
| | Open Load | 25,02 | 31,37 | 2,30 | 2,21 | 2,17 | 2,14 |
| | Short Load | 25,02 | 31,38 | 2,29 | 2,22 | 2,17 | 2,15 |

Maximum inrush current for ECG in AC Operation

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lpeak= TH= 17 Α 183 μs