

OT DALI 25/220-240/24

DALI-addressable converter

Technical Information

Edition: April 2008

Subject to change



Technical data

Reference	OT DALI 25/220-240/24
For LED modules:	With respect to the output conditions: LINEARlight Flex, COINlight, LINEARlight colormix and appropriate modules
Line voltage, nominal:	220-240 V
Perm. voltage fluctuations:	198-254 V
Line current, nominal:	0,13 A _{eff}
Line frequency:	0/50/60 Hz
Output voltage:	DC voltage 24 V
Max. module wattage:	Three outputs with 8W each
Efficiency:	82 %
Losses:	max. 3 W
DC voltage operation:	Yes, 200-240 V _{DC} *
Safety:	EN 61347
Radio interference:	EN 55015
Harmonic content:	EN 61000-3-2
Immunity:	EN 61547
Temperature range:	-25 °C to +45 °C
Galvanic insulation between primary and secondary side:	4 kV _{eff} (SELV)
Non-load proof:	Yes
Short circuit protection:	Autom. shutoff, reversible
Overload protection:	Yes (reversible)
Overheating protection:	Yes (reversible)
Connections:	Terminal screws
Primary:	One pair of cable clamp for mains and DALI
Wire cross section, primary:	0,5 mm ² to 1,5 mm ² massive leads 0,5 mm ² to 1 mm ² flexible leads
Secondary:	5 terminals for LED modules with cable clamp
Wire cross section, secondary:	0,5 mm ² to 1,5 mm ² massive leads 0,5 mm ² to 1 mm ² flexible leads
Max. length of secondary output wiring :	10 m
Geometry (l x b x h):	167 mm x 42 mm x 31 mm
Approvals:	CE

*after the start an operation down to 160 V_{DC} is possible

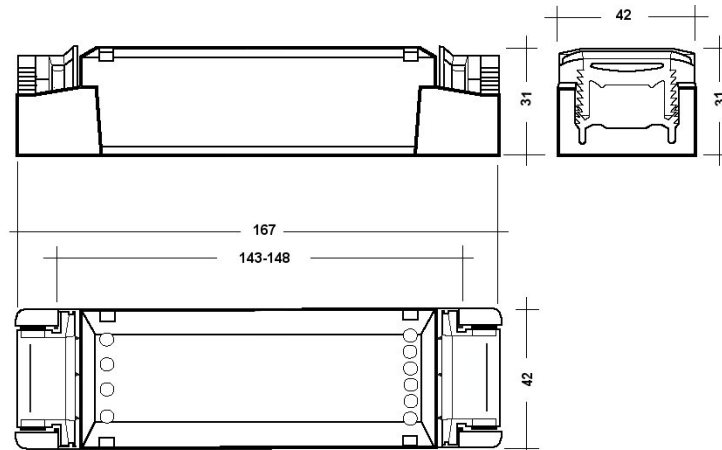
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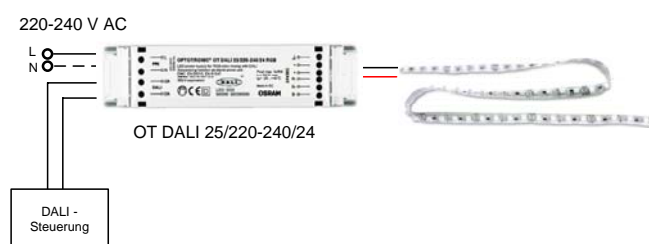
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Geometry

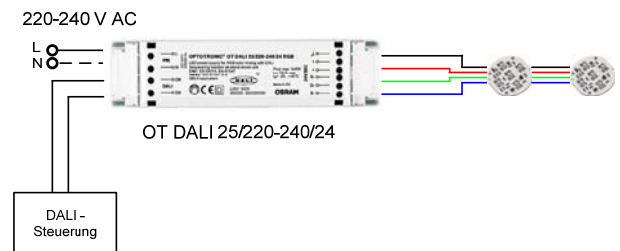


Wiring diagram

DALI controlled illumination



DALI controlled RGB- colormixing



Features

- 1 DALI input
- 3 addressable output, pre-set to:
 - Red: address 0
 - Green: address 1
 - Blue: address 2
- full DALI-functionality, like 3 independent ECG
- individual colors can be stored as a scene

If no DALI is connected: the unit is operating in sequencing mode, pre-set by production, adjustable through DALI control. This sequence could be programmed with DALI: Up to 15 colors of one sequence could be saved as a scene. In the 16th scene the fade time between the discrete colors could be saved. If the DALI signal is disconnected, the programmed sequence could be started after a main reset.