

DALI Repeater (A69091)



Product description

- Device to enhance the maximum DALI cable length from 300m up to 600m.
- Enhancement and Transmission of the DALI-signals (bidirectional).
- Galvanic separation between DALI circuits.
- Either radially arranged network layout or cascaded system mounting operated with single master.
- cascading (Series wiring) of up to 3 repeaters
- The maximum amount of DALI-devices in the total network is limited to 64, the devices can be divided on the sub-circuits freely.

Technical information

input: DA, DA

input type	DALI control input
marking terminals	DA, DA
input voltage range	9,5V ... 22,5V
current consumption DALI	6mA

output: DA+, DA-

output type	DALI
marking terminals	DA, DA
input voltage range	-
guaranteed DALI supply current	-
open circuit proof	yes
short circuit proof	yes

insulation data:

impulse voltage category	II
pollution degree	2
rated insulation voltage	250V
insulation test voltage DALI-output/mains	3000Vac

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environmental conditions:

storing and transportation temperature	-20°C ... +75°C
operational ambient temperature	-20°C ... +75°C
rel. humidity, none condensing	15% ... 90%

general data:

dimensions (l x w x h)	98mm x 17,5mm x 56mm
mounting	DIN rail integration in class II devices
rated max. temperature tc	75°C
expected life time @tc	50.000 h
protection class	II in intended use
protection degree housing	IP40
protection degree terminals	IP20

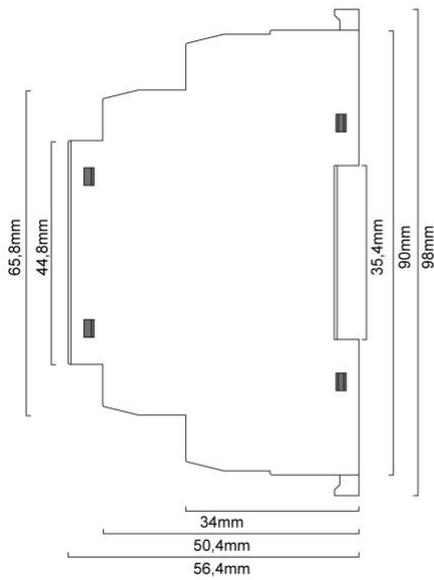
terminals:

connection type	screw connector
wire size solid core	0,5 ... 2,5 mm ² (AWG20 ... AWG14)
wire size stranded wired	0,5 ... 2,5 mm ² (AWG20 ... AWG14)
wire size using wire end ferrule	0,25 ... 1,5 mm ²
stripping length	7 mm / 0,27 inch
locking torque	0,5Nm
release of wire	open screw

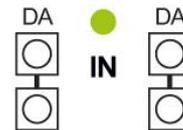
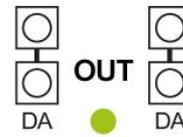
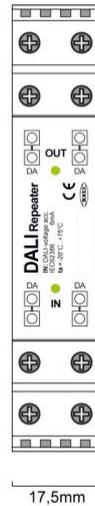
standards:

DALI	EN 62386-101
EMC	EN 61547 EN 50015 / IEC CISPR15
safety	EN 61347-2-11 EN 61347-1
markings	CE

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DALI Repeater dimensions DIN rail



DALI Repeater connection terminals DIN rail

Wiring diagram

Figure 1 shows a typical application to increase the load on the DALI line: Dali commands from any control are transmitted in all DALI-lines, on the output of a DALI Repeater with integrated PS no DALI PS is needed.

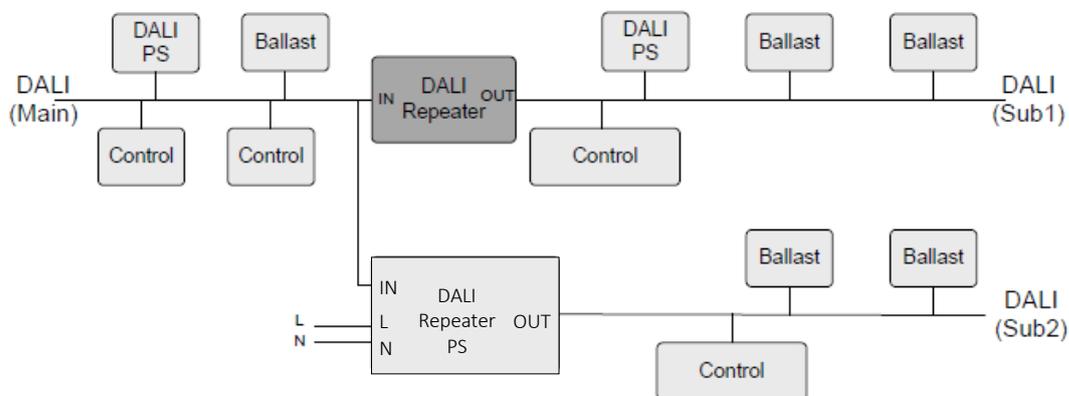


Figure. 1 application example: increase load on the DALI line