

DALI-Gateway

DG/S 1.1

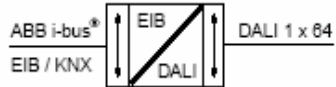


ABB i-bus®
EIB KNX



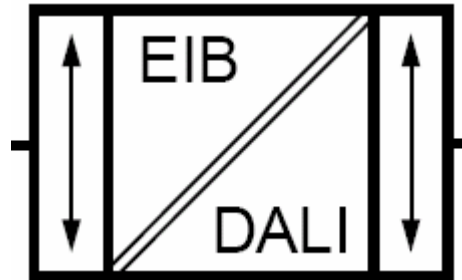
DALI

ABB

With ABB i-bus® DALI-Gateways exist the opportunity to combine DALI components with EIB / KNX, in order to have functions and benefits of DALI standard and EIB/KNX in one system



DG/S 1.1



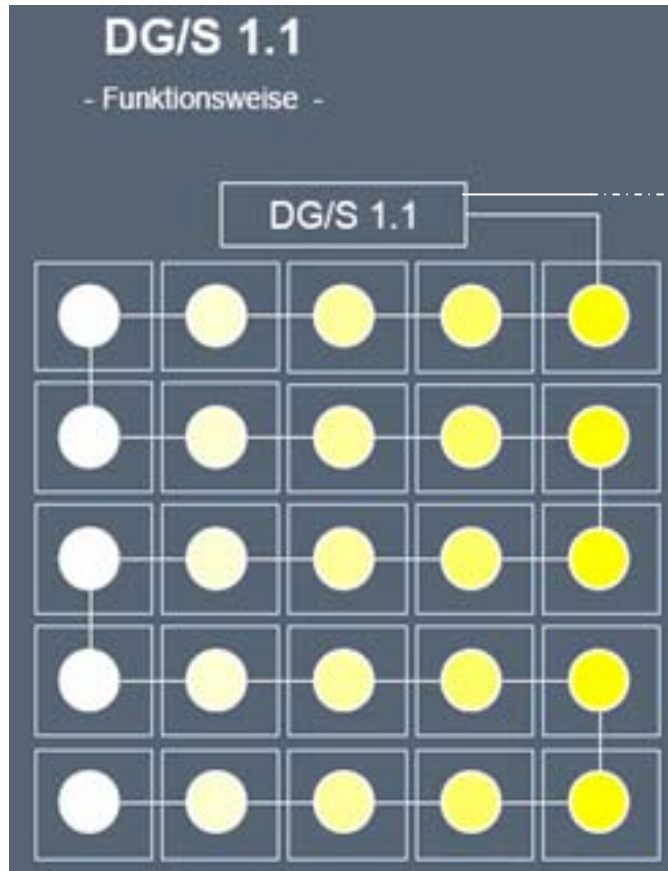
EIB DALI-Gateway, 1fold, DG/S 1.1



- Modular DIN-rail device
- 4 modules, ABB i-bus[®] EIB / KNX
- 1 main channel (individual operation)
- 1 additional channel (Broadcast mode, encoded mode)
- 2x64 DALI device addressable
- 230 V AC/DC operating voltage
- Integrated DALI power supply
- Channel test, without EIB / KNX
- Indication of DALI fault
- DGS11-Software-Tool
- **Individual addressing of DALI devices**



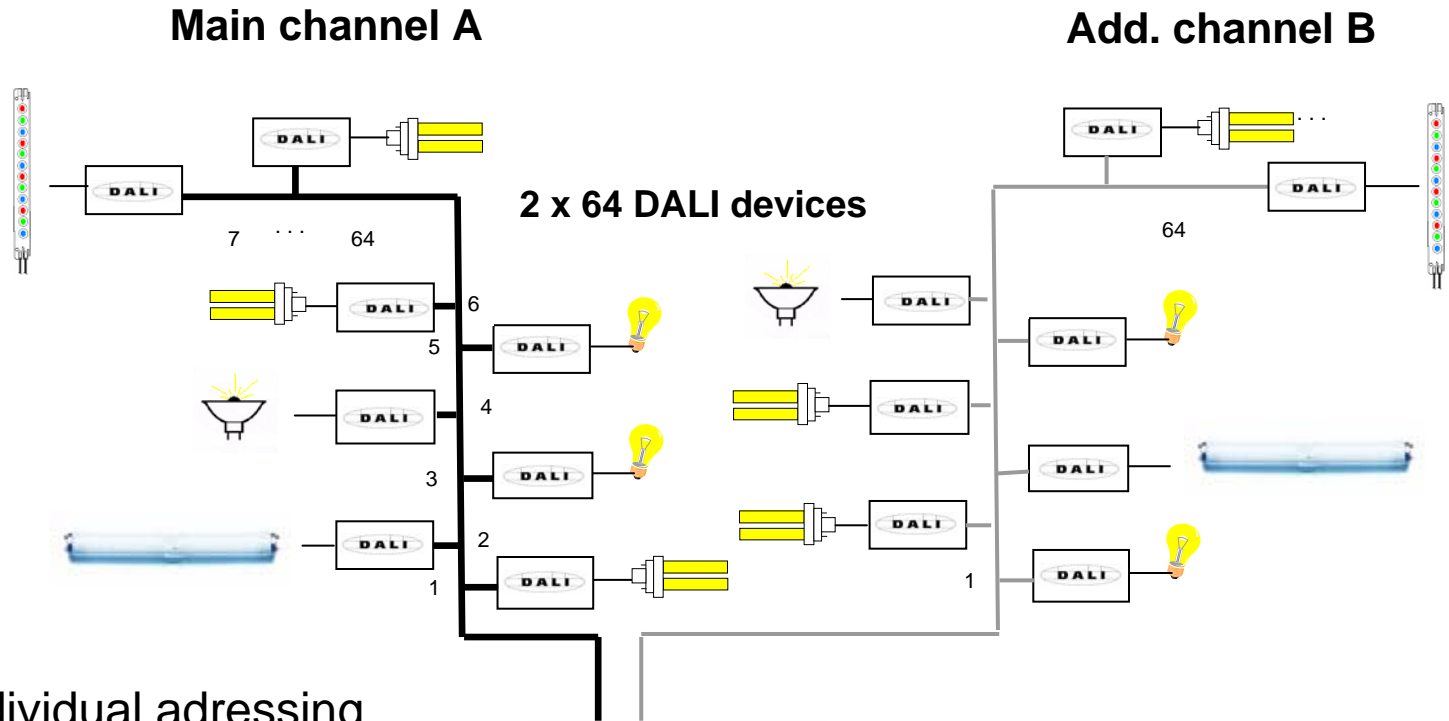
EIB DALI-Gateway, 1fold, DG/S 1.1



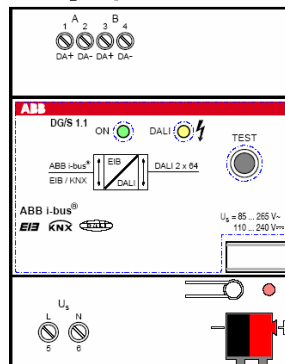
- 2x64 DALI devices individually addressable
- One main channel:
64 separate DALI devices
One additional channel:
64 DALI devices (Broadcast)
- Assignment of groups via EIB / KNX
- 15 light scenes
- Lamp and ballast fault detectable
- Burn in of lamps
- Change of DALI addressing with DGS11-Software-Tool also without ETS



EIB DALI-Gateway, 1fold, DG/S 1.1



- Individual addressing
- Individual control
 - ON/OFF
 - Dimming
 - Brightness value
- Broadcast control



DG/S 1.1

ABB i-bus®
EIB KNX



■ Main channel A – 64 DALI devices

Individual control

- Switching / Status
- Dimming
- Brightness value / Status

Broadcast control

- Switching ON/OFF
- Dimming
- Brightness value
- Status ballast fault
- Status lamp fault
- Slave mode ON/OFF

In addition: Individual control via encoded addressing

■ Additional channel B – 64 DALI devices

Broadcast control

- Switching ON/OFF
- Dimming
- Brightness value
- Status ballast fault
- Status lamp fault
- Slave Mode ON/OFF

In addition: Individual control via encoded addressing

- **Additional functions for both channels in combination with logic (Visualisation / Panel)**

Coded control via two objects

- Switching ON/OFF
- Dimming
- Brightness value
- Slave Mode ON/OFF
- Lamp burn in
- Status ON/OFF
- Status Brightness value
- Status ballast fault
- Status lamp fault

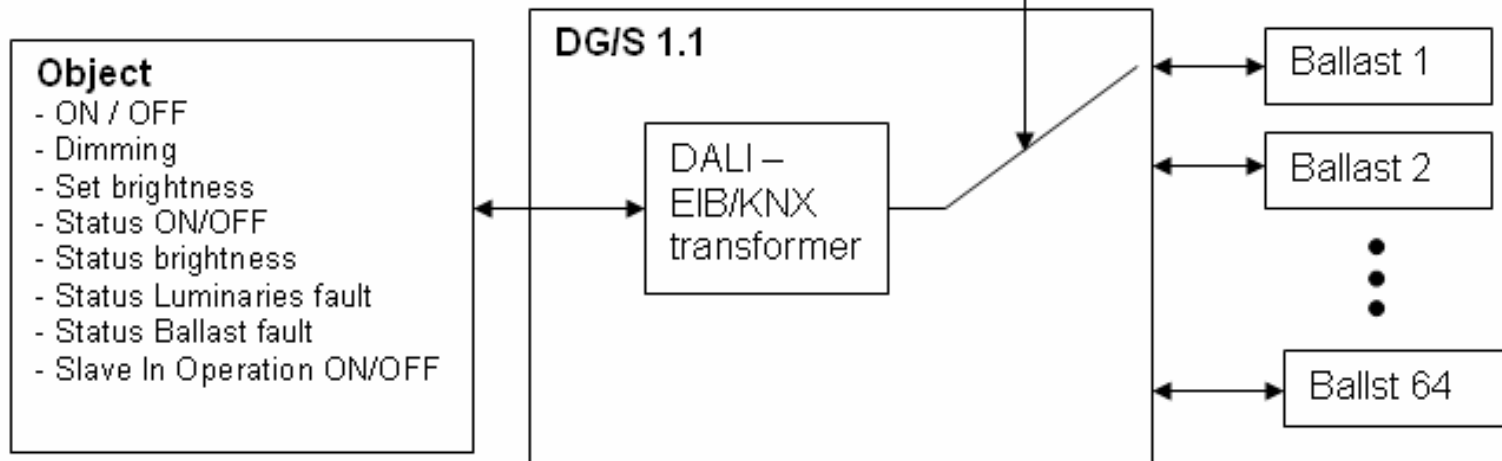
!! Individual control of
2 x 64 separate devices
in combination with central
intelligence **!!**
(Visu / Panel / Logic)

■ Encoded control via two objects for channel A and B

1. Selection of participant (1-byte object)

Object: DALI device select

2. Action (Objekt 2)



■ Status messages

■ Each device

- 230 V fault

■ Each channel

- DALI fault (Short circuit)
- Ballast fault
- Lamp fault

■ Each device of main channel A

- Status ON/OFF (Object Switching / Status)
- Brightness value (Object Brightness / Status)

■ Each device of channel A and B (encoded)

- Ballast fault
- Lamp fault
- Separate objects Status ON/OFF and Brightness

DG/S 1.1

Commissioning

(DALI – Addressing)

■ DALI Commissioning

For an individual control each DALI device needs an own DALI address

- DG/S 1.1 starts initialisation process
- Automatically addressing
- Ascending without gaps
- DALI address is the same like EIB/KNX device number
- immediate operation after initialisation process
- Allocation of devices unknown !

■ DGS11-Software-Tool

- Needs no ETS but Falcon driver
- **Only** in combination with DG/S 1.1
- Indication of all connected DALI devices
- Individual devices switchable (ON/OFF)
- Adjustable Brightness values for ON and OFF
- Readdressing with Drag and Drop
- Status of system (ballast and lamp failure)
- German and English language

■ Advantages ABB i-bus[®] DG/S 8.1

- No DALI Commissioning and Addressing
- Allocation with wiring like 1...10V technique
- Scenic dimming

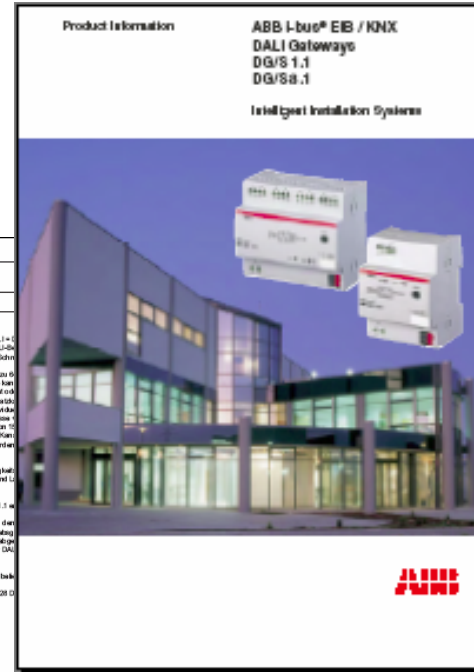
■ Advantages ABB i-bus[®] DG/S 1.1

- 2x64 DALI devices individually addressable
- Main channel: 64 devices individually assessable
- Additional channel: 64 device with Broadcast or encoded
- One control line for 64 DALI devices
- High flexibility in the event of modification

DALI-Gateway 1fach, DG/S 1.1

- **Documentation**
 - Specification Text
 - Product Information
 - Technical Data
 - Product Manual

Pos.	Menge	Leistungsbeschreibung																
8		<p>DALI-Gateway, 1fach, REG</p> <p>Das 1-fach DALI-Gateway (DALI+ 0) wird die Ansteuerung von DALI-LED-Komponenten usw. mit DALI Schnittstelle ermöglicht.</p> <p>An einem Hauptkanal sind bis zu 64 einzelne der 04 Betriebsstellen bei Komplexität geschaltet, je nachdem werden Ansteuerkanäle (Zustände) im Standard-Standard oder indirekt Komplexität geschaltet (Adressen) Zustände ist die Einstellung von 0.</p> <p>Das 04 DALI-Relais einer Kanal ermöglicht die Ansteuerung von 04 Kanälen.</p> <p>- Schalten, Öffnen und Halten. - Rückmeldung von EVG- und U- - Lampenstrom</p> <p>Die Parameterung des DG/S 1.1 w</p> <p>Die DALI-Adressen-Vorgabe in der DALI-Gateway Die DALI-Steuerung ermöglicht auf dem EIB/KNX-Bus eine individuelle Ansteuerung der DALI auch ohne ETS möglich.</p> <p>Die Grenzspannung erfolgt über</p> <p>Die DALI-Stromspeise für die 04 D</p> <p>Anzahl DALI Geräte</p> <p>Betriebsspannung</p> <p>Anschlüsse</p> <p>Basisschleife</p> <p>Schutzart</p> <p>Montage</p> <p>Größe</p> <p>Hersteller</p> <p>Typ</p> <p>Material</p>																
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