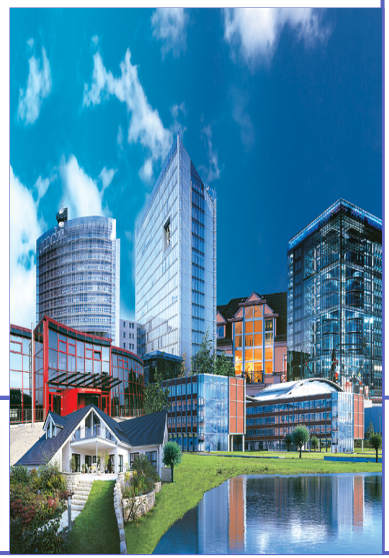
# DALI-Gateway

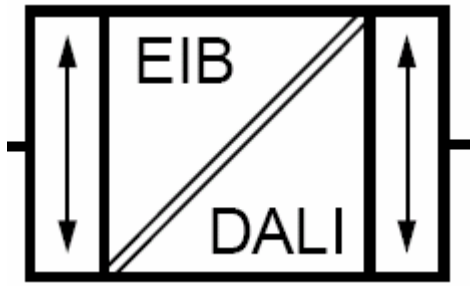
# DG/S 1.1



# ABB i-bus® EIB / KNX

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

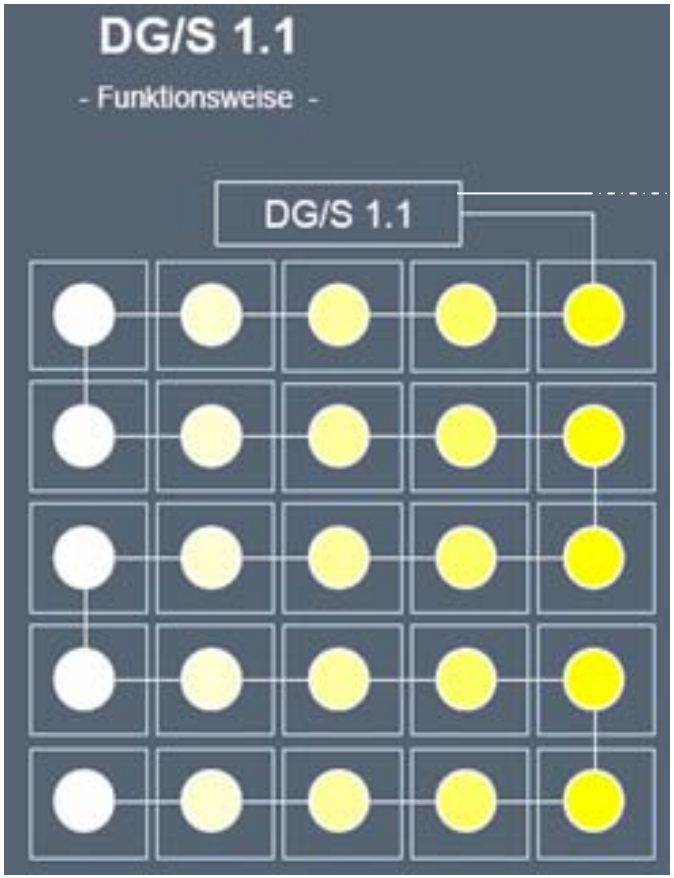
**DG/S 1.1**




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

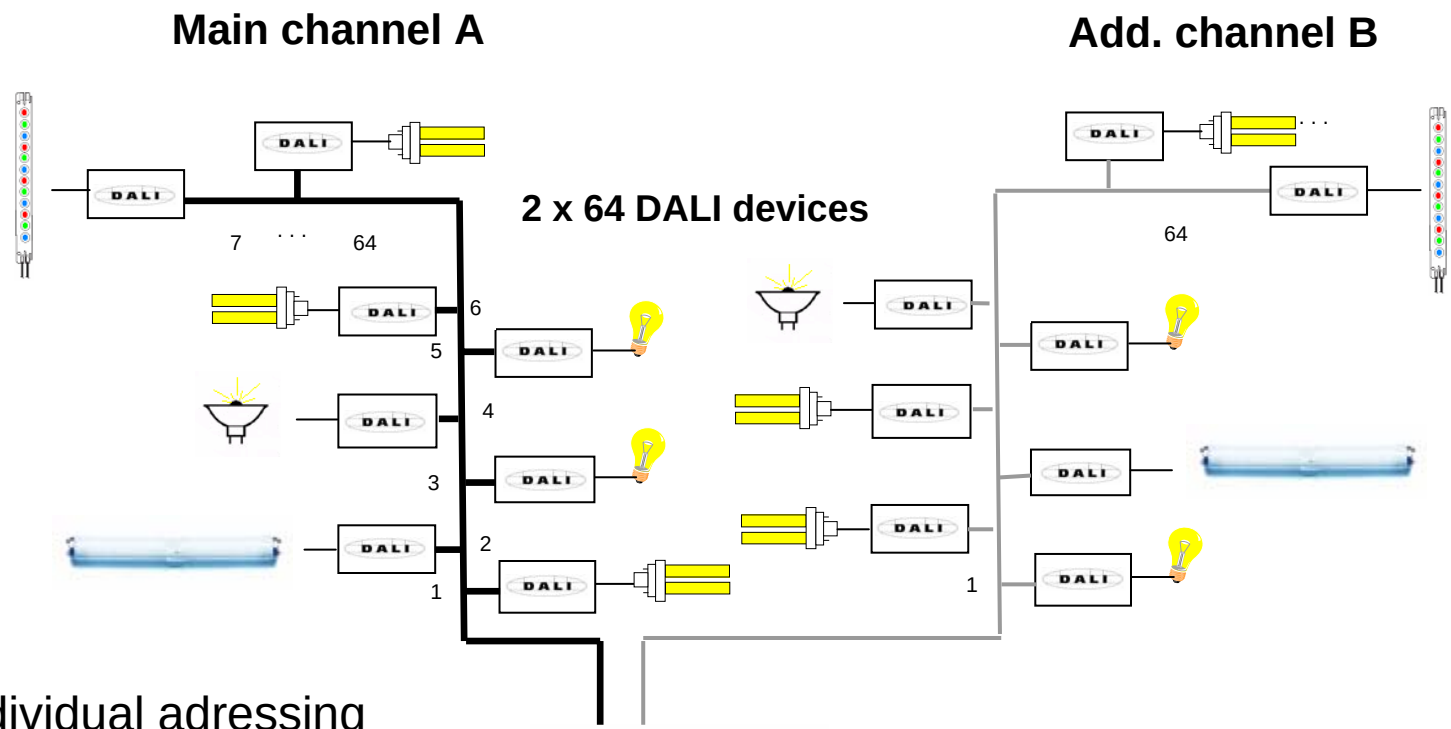

- Modular DIN-rail device
- 4 modules, ABB i-bus® EIB / KNX
- 1 main channel (individual operation)
- 1 additional channel (Broadcast mode, encoded mode)
- 2x64 DALI device addressable
- 230 V AC/DC operating voltage
- Integrated DALI power supply
- Channel test, without EIB / KNX
- Indication of DALI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

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

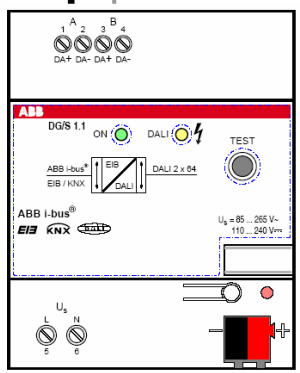



- 2x64 DALI devices individually addressable
- One main channel:
  64 separate DALI devices
  One additional channel:
  64 DALI devices (Broadcast)
- Assignment of groups via EIB / KNX
- 15 light scenes
- Lamp and ballast fault detectable
- Burn in of lamps
- Change of DALI addressing with DGS11-Software-Tool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

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




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




DALI

**DG/S 1.1**

ABB i-bus®
EIB KNX

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

- **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**

# EIB DALI-Gateway, 1fach, DG/S 1.1

- **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**

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

- **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

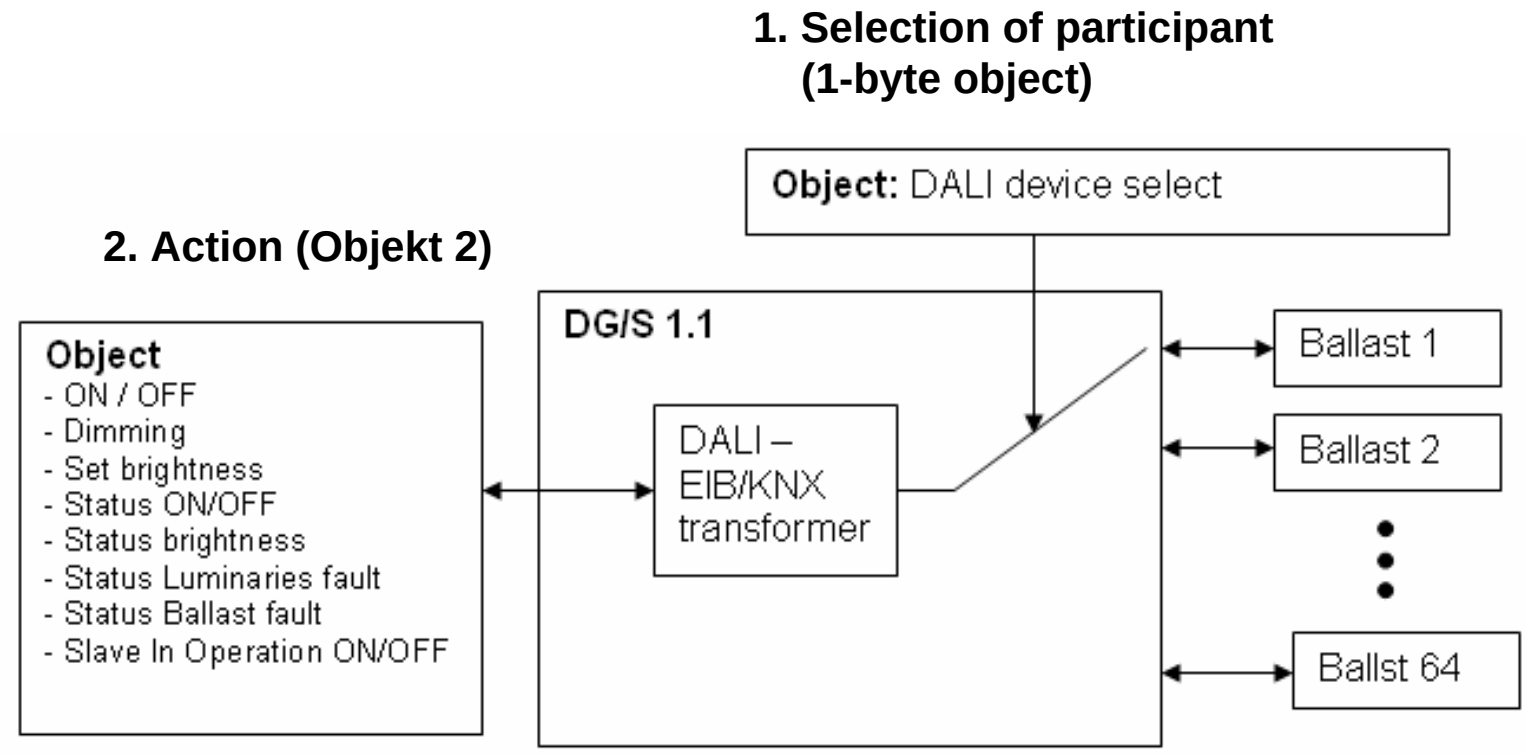
in combination with central

intelligence !!

(Visu / Panel / Logic)

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

- **Encoded control via two objects for channel A and B**



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

- **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 !

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

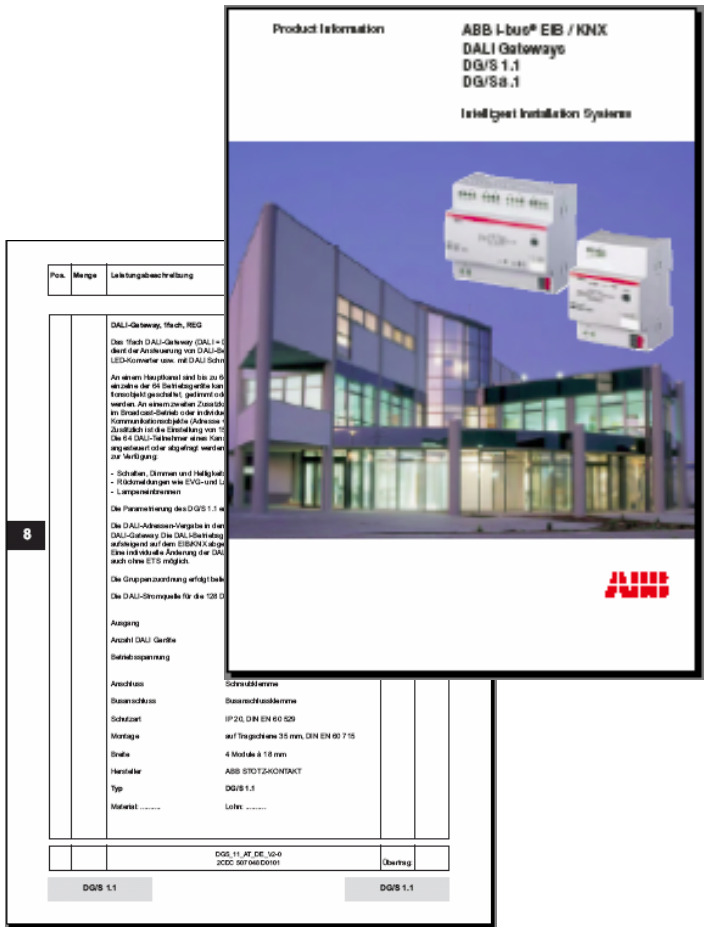
- **DGS11-Software-Tool**
  - Needs no ETS but Falcon driver
  - **Only** in combination with DG/S 1.1
  - Indication of all connected DALI devices
  - Individual devices switchable (ON/OFF)
  - Adjustable Brightness values for ON and OFF
  - Readdressing with Drag and Drop
  - Status of system (ballast and lamp failure)
  - German and English language

# Comparison ABB i-bus® EIB/KNX DALI-Gateway

- **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

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