

Gateways, interface converters



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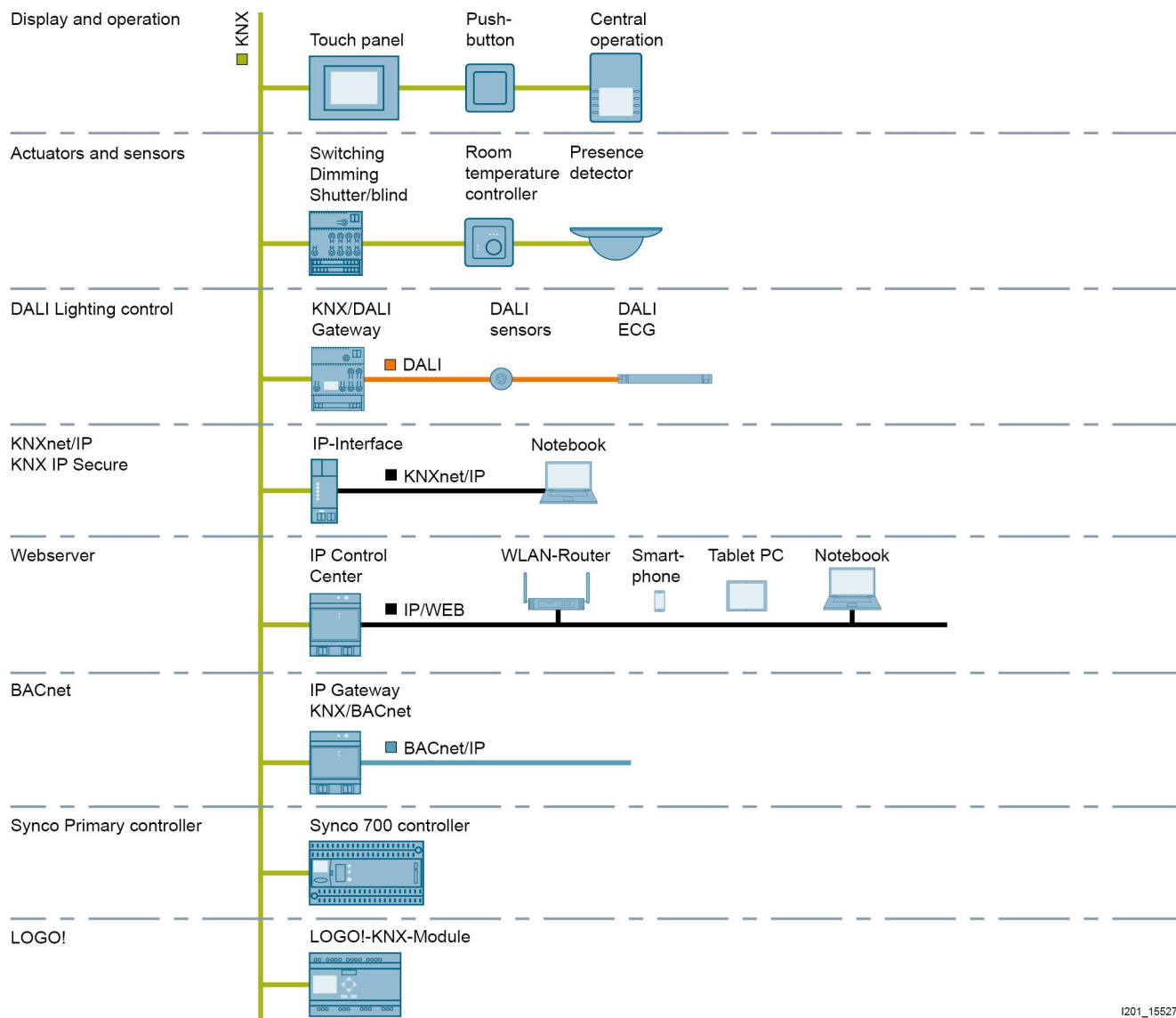
Gateways, interface converters

Overview and selection tools

The KNX network

GAMMA instabus offers interfaces to many other technologies, such as Ethernet (LAN) and lighting controls with DALI and BACnet network, making it easy to exchange information and data via the KNX network.

Interfaces to KNX

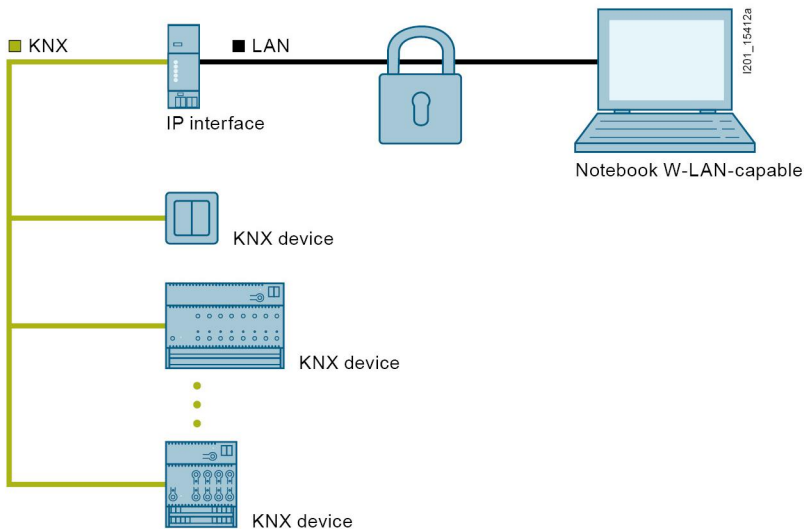


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KNX IP Secure

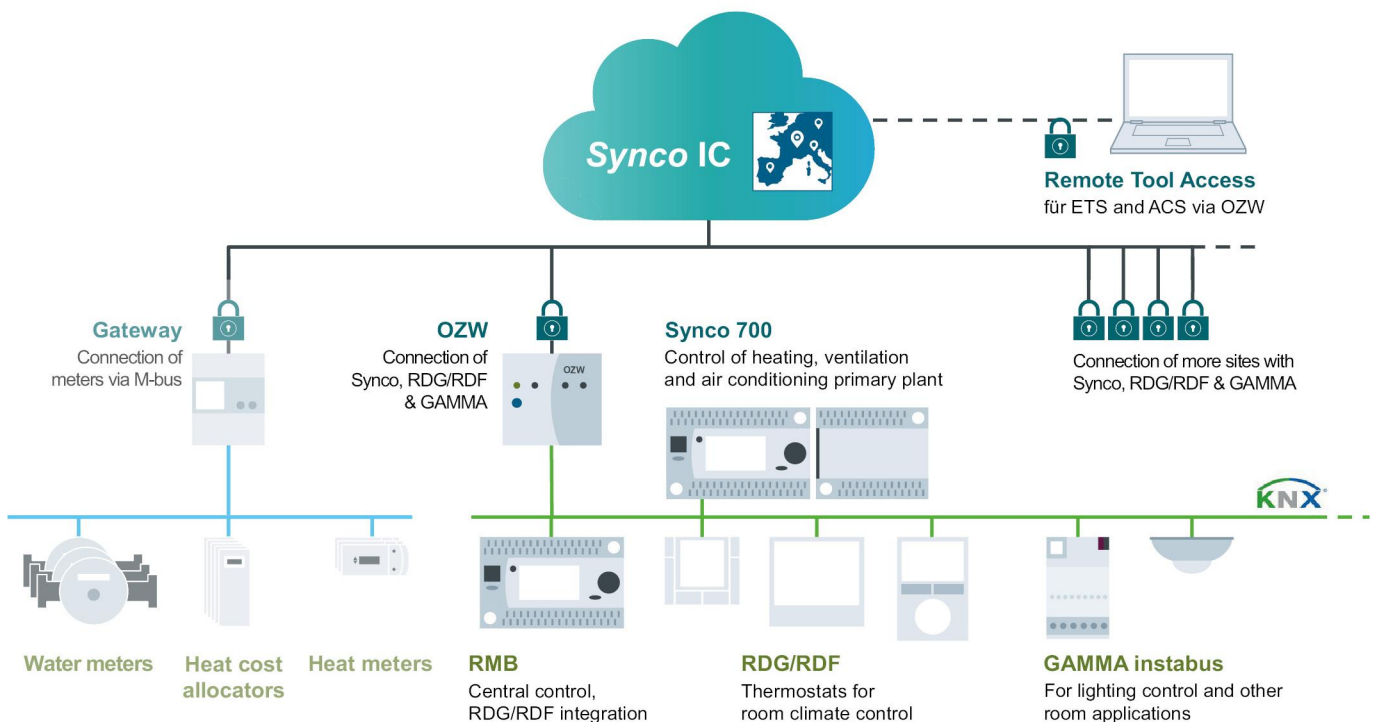
Faster and secure downloads save time

With the KNX IP Secure standard, KNX telegrams can be secure transmitted via Ethernet (LAN). This enables applications and solutions. Existing network infrastructures and technologies are used to transmit KNX data over greater distances. Links between buildings and/or building levels can be clearly and easily implemented using KNXnet/IP.








Synco IC

Synco is a web based remote access system for easy and secure monitoring and operation of your plant. More info at siemens.com/syncoic.









Gateways, interface converters

Overview and selection tools

KNX/Ethernet					
					
Type	N 148/23	N 146/03	N 143/01	N 152/01	OZW772..
Enclosure data					
Design	N	N	N	N	REG
Modular installation devices for mounting on TH35 EN 60715 mounting rail	■	■	■	■	■
Width (1 MW = 18 mm)	2 MW	2 MW	4 MW	4 MW	88 x 90 x 40
Display/control elements					
LEDs for indicating that the device is ready-to-run, KNX communication, IP communication	■	■	■	■	■
Power supply					
Electronics powered via an external nominal AC/DC power supply unit for	AC/DC 24 V	AC/DC 24 V	AC/DC 24 V	DC 24 V	AC 230 V
Power consumption at DC 24 V [mA]	60	60	40	50	
Power supply for the electronics via "Power over Ethernet" according to IEEE 802.3af	■	■			
Bus connection					
Integrated bus coupling units	■	■	■	■	■
Bus connection via bus terminal	■	■	■	■	
Main connection					
Ethernet connection via RJ45 socket	■	■	■	■	■
Plug-in terminal block for the connection of an external power supply unit	■	■	■	■	
Gateway					
Supports KNX IP Secure	■	■			
Supports KNXnet/IP	■	■	■	■	■
Line coupler function (Routing)		■			
Interface functions (Tunneling)	5	5	1	1	1
Weekly scheduling program				■	
Astro function				■	
Yearly time switching functions				■	
Event entries				■	
Logic gates				■	
Web servers			■	■	■







Switching/dimming actuators

	DALI control outputs					
						
Type	N 141/14	N 141/32	N 141/21	N 141/03	N 141/31	N 525D11
Application program ¹⁾			9834xx ¹⁾	9837xx ¹⁾	983Dxx ¹⁾	9A1701
Name		Twin	Twin plus	plus	Twin	
Enclosure data						
Design	N	N	N	N	N	N
Modular installation devices for mounting on TH35 EN 60715 mounting rail	■	■	■	■	■	■
Dimensions						
Width [mm] (1 MW = 18 mm)	4 MW	4 MW	4 MW	4 MW	4 MW	4 MW
Display/control elements						
LED for status indication per output	■	■	■	■	■	■
LEDs for fault indication (lighting failure) per output	■	■	■	■	■	■
Pushbuttons for local operation on the device	■	■	■	■	■	■
Direct operation (local operation)	■	■	■	■	■	■
Power supply						
Electronics powered via an integrated power supply unit	■	■	■	■	■	■
DALI outputs powered via an integrated power supply unit	■	■	■	■	■	■
Power loss						
Maximum power loss [W]	6	11	11	6	11	11
Bus connection						
Integrated bus coupling units	■	■	■	■	■	■
Bus connection via bus terminal	■	■	■	■	■	■
Outputs						
DALI outputs (lines)	1	2	2	1	2	2
DALI-2 Certification	■	■	■	■	■	■
Max. ECG per output (units)	64	128	64	64	64	20
Functions						
Max. number of group addresses	2000	2000	3000	3000	3000	3000
Max. number of assignments	2000	2000	3000	3000	3000	3000
Integrated constant light level control	16	32	16	16		
Configurable behavior in the event of a bus voltage failure			■	■	■	■
Configurable behavior in the event of a bus voltage recovery			■	■	■	■
Configurable behavior in the event of a system voltage failure	■	■	■	■	■	■
Configurable behavior in the event of a system voltage recovery	■	■	■	■	■	■
Control functions						
Broadcast	■	■	■	■	■	■
Groups	32	64	32	16	32	
Individual ECG	64	128	128	64	128	
Switching						
Switching ON/OFF	■	■	■	■	■	■
Configurable starting value	■	■	■	■	■	■
Switching ON/OFF possible via BRIGHTER/DARKER dimming	■	■	■	■	■	■
Dimming						
BRIGHTER/DARKER dimming	■	■	■	■	■	■
Adjustable dimming time	■	■	■	■	■	■
Brightness limitation, adjustable min. dimming value/ max. dimming value	■	■	■	■	■	■
Value transmission						
Set 8-bit value	■	■	■	■	■	■
Scene control						
Integrated 8-bit scene control	■	■	■	■	■	■
Scenes to be integrated per DALI output	16	16	16	16	16	16

¹⁾ For current application programs, see www.siemens.com/gamma-td
²⁾ Per channel

³⁾ Only selected DALI sensors are supported, see APB www.siemens.com/gamma-td
⁴⁾ Support of all DALI-2 brightness and presence sensor

Switching/dimming actuators ...

	DALI control outputs					
						
Type	N 141/14	N 141/32	N 141/21	N 141/03	N 141/31	N 525D11
Application program ¹⁾			9834xx ¹⁾	9837xx ¹⁾	983Dxx ¹⁾	9A1701
Name		Twin	Twin plus	plus	Twin	
Functions						
Effect control						
Integrated effect control (one-off or cyclic chaselight operation, color control)			4	4		
Emergency lighting						
Support for prescribed test sequences for emergency lights			■	■	■	
Controlling single battery lights	■ ²⁾	■ ²⁾	■	■	■	
Saves test results of emergency lighting			■	■		
Status						
DALI short circuit	■	■	■ ³⁾	■	■ ³⁾	■ ³⁾
DALI power supply	■	■	■	■	■	■
Status output (ON/OFF, value, lamp fault, ECG fault)	■	■				■
Status group (ON/OFF, value, lamp fault, ECG fault)			■	■	■	
Status ECG (ON/OFF, value, lamp fault, ECG fault)	■	■	■	■	■	
Time functions						
ON/OFF delay	■	■	■	■	■	■
Timer mode, 1-step (stairwell circuits)	■	■	■	■	■	■
Timer mode, 2-step	■	■	■	■	■	■
Night mode (lighting for cleaning)	■	■	■	■	■	■
Warning of impending OFF	■	■	■	■	■	■
Further functions						
DALI sensors ^{4)/} 2-point-control/constant light level control	■ ⁵⁾	■ ⁵⁾	■	■		
Stand-by shut down (areas)	16	16	12	6	12	
Function burn-in			■	■	■	
Color temperature control (Tunable White)	DT8	DT8	■	■	■	■
Renew defective ECG without software			■	■	■	■
Stand-alone mode			■	■	■	
Pre-loaded applications			■	■		■
Color control (RGB(W))	■	■				
Automatic and intelligent group creation	■	■				
Overrides 7 per channel	7 per channel	7 per channel				
Operating and switching cycle counter per channel/group/ECG	■	■				
DCA (device control app)	■	■				
IP interface	■	■				

¹⁾ For current application programs, see www.siemens.com/gamma-td

²⁾ Only switching and dimming

³⁾ Per channel

⁴⁾ Only selected DALI sensors are supported, see APB www.siemens.com/gamma-td

⁵⁾ Support of all DALI-2 brightness and presence sensor

KNX IP Interface Secure

- For communication between KNX devices and PCs or other devices with Ethernet (10BaseT or 100BaseT) interface, for remote access to an KNX installation
- Uses the KNXnet/IP protocol or secured access and data transmission via KNXnet/IP Secure
- Up to five KNXnet/IP Tunneling connections for parallel bus access by ETS and further PC software
- Assignment of the network parameters by the installer using ETS, automatically by a DHCP server in the network
- 5 LEDs for display of availability, KNX communication and IP communication
- Electronics powered via "Power over Ethernet" according to IEEE 802.3af or alternatively by an external safety extra low voltage power supply for AC/DC 24V
- Pluggable terminal block for connection of external power supply unit (not included)
- Ethernet connection via RJ45 socket
- Housing: plastic, color RAL 7035 (light grey), N-system
- DIN rail mounted device for mounting on rail TH35 according to DIN EN 60715
- Type of protection: IP 20

Data sheet	A6V11689764
Dimensions (W x H x D)	36 x 90 x 60 mm
Dimension width (1 MW = 18 mm)	2 MW
Warranty	24 Months

N 148/23



Stock no.	Product no.
5WG1148-1AB23	N 148/23

Accessories for N 148/23

Product Title	Stock no.	Product no.
LOGO! Power 24 V/1.3 A	6EP3331-6SB00-0AY0	LOGO!POWER 24 V/1,3 A

KNX IP Router Secure

- For interconnection of bus lines or bus areas via a fast data network (Ethernet 10BaseT or 100BaseT) with Internet Protocol (IP)
- To be used as line, area and system coupler
- Uses the KNXnet/IP protocol or secured access and data transmission via KNXnet/IP Secure
- Up to five KNXnet/IP Tunneling connections for parallel bus access by ETS and further PC software
- Assignment of the network parameters by the installer using ETS, automatically by a DHCP server in the network
- 5 LEDs for display of availability, KNX communication and IP communication
- Electronics powered via "Power over Ethernet" according to IEEE 802.3af or alternatively by an external safety extra low voltage power supply for AC/DC 24 V
- Pluggable terminal block for connection of external power supply unit (not included)
- Ethernet connection via RJ45 socket
- Housing: plastic, color RAL 7035 (light grey), N-system
- DIN rail mounted device for mounting on rail TH35 according to DIN EN 60715
- Type of protection: IP 20

Data sheet	A6V11656735
Dimensions (W x H x D)	36 x 90 x 60 mm
Dimension width (1 MW = 18 mm)	2 MW
Warranty	24 Months

N 146/03



Stock no.	Product no.
5WG1146-1AB03	N 146/03

Accessories for N 146/03

Product Title	Stock no.	Product no.
LOGO! Power 24 V/1.3 A	6EP3331-6SB00-0AY0	LOGO!POWER 24 V/1,3 A

N 152/01



KNX IP Control Center

Visualisation controller for full-graphic visualizations on web-compatible end devices such as PCs, tablets and smart phones with a standard web browser.

For communication between KNX devices and PCs and, in connection with a LAN-/WLAN modem or DSL router, for remote access to a KNX installation, for usage as an interface for the ETS 3/4/5 and as an interface for a visualization, with usage of the KNXnet/IP protocol, with the following simultaneously usable functions:

- Web server for operating and monitoring up to 1250 statuses and values transmitted by the KNX network, which can be displayed using a standard browser on PCs, tablets, or smartphones connected to the IP network
- Special web-configuration page for a firmware update, to set the IP configuration, SMTP server, security settings, password protection, certificates, Sonos module, API connection and restart
- Graphical web editor for a creation of fully graphical visualization with control and display elements, configurable in various styles
- Smart editor for the creation of a visualisation, tuned for mobile browsers, smartphones, tablets with control and display elements, configurable in various styles and layouts
- Annual timer, with astronomical calendar, for 300 time switch schedules with up to 30 time switch commands per time switch schedule
- Scene module with up to 5000 scenes or events
- Chart module for recording and reporting of up to 10 data points
- Monitoring module for monitoring and storage of up to 1000 events into a ring buffer
- IP interface for control of up to 20 IP-devices via up to 20 TCP/UDP commands per IP-device
- Fully graphical logic module with up to 1000 logic functions
- Alarm function for up to 250 different alarms
- E-mail function, with up to 20 contacts, for transmission of chart data from chart module, logged data from monitoring module or alarm data
- Data point management for viewing, managing, editing and categorizing all available data points
- Module for controlling SONOS loudspeakers
- Module for controlling the Philips HUE LED lighting system
- Ethernet interface 10/100 Mbits/s with RJ45 socket for connection to the IP network using the Internet Protocol
- 2 LED displays for IP connection/communication and for error messages
- Integrated bus connector and bus terminal for connection to a KNX network
- Power supply of the electronics by an external voltage source for AC/DC 24 V, 50 mA
- Series installation device for mounting on support rails TH35 DIN EN 60715

Data sheet	A6V10417875
Dimensions (W x H x D)	72 x 90 x 60 mm
Dimension width (1 MW = 18 mm)	4 MW
Warranty	24 Months

Stock no.	Product no.
5WG1152-1AB01	N 152/01

Accessories for N 152/01

Product Title	Stock no.	Product no.
LOGO! Power 24 V/1.3 A	6EP3331-6SB00-0AY0	LOGO!POWER 24 V/1,3 A

Web server for Synco devices

Web server OZW772 allows for remote plant control and monitoring via the web.

- Operate web browser via PC/laptop and Smartphone
- Operate ACS (PC/laptop with ACS plant operating software)
- Connections: USB and Ethernet
- Display fault messages in the web browser
- Send fault messages to a maximum of 4 e-mail recipients
- Periodically send system reports to e-mail recipients
- Visualize the plants in the web browser based on standard plant diagrams and customized plant web pages
- Acquire and display consumption data
- Send consumption data file to 2 email recipients
- Function "Energy indicator" to monitor data points for energy-related limit values, or "Green limits"
- Web services for external applications via Web API (Web Application Programming Interface)
- Encrypted with https and TLS for e-mails
- Record of trends, display and dispatch to 2 e-mail recipients
- Integration up to 237 S-Mode data points of KNX devices (not OZW772.01)
- Direct commissioning with web browser or ACS service tool
- Easy and secure remote access and plant overview with Synco IC Remote Access - a web-based service for secure remote access (www.siemens-syncoic.com)

Internet portal Synco IC offers simple and secure access to your plants

- Simple and fast set up of access via the Internet (fixed net- or mobile router)
- The portal provides additional functions:
 - Manage one or multiple plants
 - Central user management
 - Display of plant overview, state of Energy indicators and alarms
 - Send alarm notifications per e-mail
 - Secured communications through encryption (https)

Web servers OZW772.01, OZW772.04, OZW772.16, OZW772.250 can connect 1, 4, 16, or 250 KNX devices from the product ranges Synco 700, Synco RXB, and RDG/RDF room thermostats, and the QAX Synco living central apartment units.

Data sheet	N5701
Operating voltage	Power pack: AC 230 V Web server: DC 24 V
Communication	KNX TP (twisted pair) Ethernet, RJ45 plug socket (shielded) USB V2.0
Mounting	On DIN rails With Screws
Degree of protection	IP30
Dimensions (W x H x D)	87.5 x 90 x 40 mm

OZW772..



Range overview OZW772..

Product Title	Stock no.	Product no.
Web server for 1 Synco device	BPZ:OZW772.01	OZW772.01
Web server for 4 Synco devices	BPZ:OZW772.04	OZW772.04
Web server for 16 Synco devices	BPZ:OZW772.16	OZW772.16
Web server for 250 Synco devices	BPZ:OZW772.250	OZW772.250

N 141/03, N 141/21



KNX/DALI Gateway plus/Twin plus

- With emergency lighting, with sensors
 - For communication via KNX with electronic ballasts (ECG) with a DALI interface
 - Integrated power supply with input voltage AC 110-240 V, 50-60 Hz or DC 120-240 V for powering the gateway electronics and DALI output
 - Maximum DALI output voltage of 19 V, short circuit resistant
 - Incorrect voltage detection during commissioning if incorrect power line is connected to a DALI output
 - LED display for displaying operation mode and error messages
 - Pushbutton for switching between bus and direct operating mode
 - One pair of pushbuttons for switching On/Off of all connected DALI ECG
 - One LED per DALI output for status signal of all connected luminaires in direct mode
 - Configurable behaviour for bus failure (stand-alone mode)
 - Configurable pre-loaded applications without ETS
 - Scheduler for day, week, date with astro function
 - Control of all connected luminaires together in broadcast mode
 - Status signal and display of lamp and ECG failure per group and per DALI device
 - Transformation of dimming commands into a temporary setpoint adjustment for ECG with integrated constant light level control and directly connected light level sensor
 - One or two level timer
 - Up to 4 integrated one time or cyclical control of repeatable sequences or color effects
 - Starting the self-conducted testing of each individual inverter and reporting the test result via bus or save in a persistent memory with memory space monitoring over object
 - Distinction between function test, short duration test, and long duration test
 - Per channel up to 6 stand-by-area analysis for activation of switch actuators
 - Scene control for up to 16 scenes per channel
 - 16 integrated 2-level-controller for brightness control and 16 constant light level controller for main luminaires group and up to four additional luminaires groups
 - Assignment of a CIN to a DALI ECG
 - Reintegration defective DALI ECG without ETS
 - Assignment of DALI ECG to groups and test option for ECG, groups, scenes and effects via ETS
 - Assignment of DALI sensors and test option of sensors via ETS
 - Integrated bus coupling unit with only half a standard bus load, bus connection via bus terminal
 - Mounting on DIN rail EN 60715-TH35-7.5
- Configurable assignment of max. 64 DALI ECG per channel to max. 16 DALI groups per channel, exclusive controlled in groups or single (switching, dimming, set dimming value and color temperature) and feedback for group status and lamp failure
 - Support of DALI DT8 ECG for colour temperature control (Tunable White). Individual, group, scene, effect and schedule control for Human Centric Lighting
 - Configurable function burn-in for all ECG via pushbutton or single via object
 - Distinction between self-contained emergency luminaires with one or two DALI devices
 - Optional configuration of any DALI ECG to dim to a preset dimming value in emergency mode
 - Locking of switching and dimming commands as well as configuration while emergency mode is activated
 - Activation of emergency mode based on a configurable number of failed DALI ECG
 - Lock object to elimination of failure messages interruption of ECG during emergency lighting testing
 - Inhibit mode for disabling battery mode of self-contained emergency luminaires over pushbutton

Data sheet

A6V10466086

Range overview N 141/03, N 141/21

Product Title	Dimensions (WxHxD) [mm]	Dimension width (1 MW = 18 mm)	Stock no.	Product no.
KNX/DALI Gateway Twin plus, 2 channels	72 x 90 x 60	4 MW	5WG1141-1AB21	N 141/21
KNX/DALI Gateway plus, 1 channel	72 x 90 x 60	4 MW	5WG1141-1AB03	N 141/03

KNX/DALI Gateway Twin

- Communication via KNX EIB with electronic ballasts (ECG) with a DALI interface
- Two DALI outputs with DALI-2 certification acc. to IEC 62386-101 and 103, each for communication with up to 64 DALI ballasts
- Integrated power supply with input voltage AC 110...240 V, 50...60 Hz or DC 120...240 V for powering the gateway electronics and DALI output
- Support of ECGs Type 0, 1, 2, 3, 4, 5, 6, 7 and 8 according to EN 62386 edition 1 as well as edition 2 (DALI-2)
- Maximum DALI output voltage of 19 V, short circuit resistant
- Incorrect voltage detection during commissioning, whether incorrect power line is connected to a DALI output
- LED display for displaying operation mode and error messages
- Pushbutton for switching between bus and direct operating mode
- One pair of pushbuttons for switching On/Off of all connected DALI ballasts
- One LED per DALI output for status signal of all connected luminaries in direct mode
- Configurable behaviour for bus failure (stand-alone mode)
- Control (switching, dimming, set dimming value) of all connected luminaries together in broad-cast mode
- Status signal and display of lamp and ECG failure per group and per DALI device
- One or two level timer
- Integrated scene control for up to 32 scenes
- Assignment of DALI ECG to groups and test option for ECG, groups and scenes via ETS during commissioning
- Possibility to reintegrate defective DALI ECG without software
- Integrated bus coupling unit with only half a standard bus load
- Bus connection via bus terminal
- Mounting on DIN rail EN 60715-TH35-7.5

The following options are selectable, depending on the application program:

- Configurable assignment of max. 128 DALI ECG to max. 32 DALI groups, exclusive controlled in groups or single (switching, dimming, set dimming value and color temperature) and feedback for group status and lamp failure
- Support of DALI DT8 ECGs for colour temperature control Tc, Tunable White according to EN 62386 part 209. individual, group, scene, effect and schedule control for Human Centric Lighting (HCL)
- Configurable function burn-in for all ECG via pushbutton or single via object
- Up to twelve stand-by-area analysis for activation of switch actuators
- Distinction between self-contained emergency luminaries with one or two DALI devices
- Optional configuration of any DALI ECG to dim to a preset dimming value in case of emergency mode
- Locking of switching and dimming commands as well as configuration while emergency mode is activated
- Activation of emergency mode based on a configurable number of failed DALI ECG
- Lock object to elimination of failure messages interruption of ECG during emergency lighting testing
- Inhibit mode for disabling battery mode of self-contained emergency luminaries over pushbutton

Data sheet	A6V10466084
Dimensions (W x H x D)	72 x 90 x 60 mm
Dimension width (1 MW = 18 mm)	4 MW
Warranty	24 Months

N 141/31



Stock no.	Product no.
5WG1141-1AB31	N 141/31

N 141/14, N 141/
32



KNX/DALI Gateway/Twin

- DALI Multi-Master Controller with DALI-2 certification acc. to IEC 62386-101 -103 that communicates with up to 64 DALI ECG Ed.1 and DALI-2 and at least 8 DALI-2 presence and 8 brightness sensors per DALI output
- For communication via KNX with electronic ballasts (ECG) with a DALI interface
- Support of ECG type 0, 1, 2, 3, 4, 5, 6, 7, and 8 acc. to IEC 62386 edition 1 and edition 2 (DALI-2)
- Supports presence (part 303) and brightness (part 304) DALI-2 sensors
- Support of DALI DT8 ECG for color temperature Tc Tunable White and color control RGB, RGB(W)
- IP-interface and Ethernet connection via RJ45 port
- KNX Data Secure ready
- Integrated power supply with input voltage AC 220-240 V, 50-60 Hz or DC 220-240 V for powering the gateway electronics and DALI output
- Maximum DALI output voltage of 19 V, short circuit resistant
- Incorrect voltage detection during commissioning if incorrect power line is connected to a DALI output
- Configurable 7 segment display for displaying operation mode and error messages
- Pushbutton for switching between bus and direct operating mode
- LED indicate status of direct operation, IP connection and error for each DALI output
- One pair of pushbuttons for switching On/Off and dimming of all connected DALI ECG
- Configurable assignment of max. 64 DALI ECG to max. 64 intelligent channels with automatic group creation per DALI output
- Each intelligent channel is independently controlled (switching, dimming, set dimming value, color and color temperature), offering 2 logic functions, multiple overrides, night mode, feedback for channel status and lamp failure
- Control of all connected luminaires together in broadcast mode
- Status signal and display of lamp and ECG failure per group and per DALI device
- Object to monitor device function
- Works function for switching and dimming
- One or two level timer
- Counter for switching cycles and operation hours including threshold monitoring
- Energy saving function with max. 16 stand-by-area analysis for activation of switch actuators per DALI output
- Scene control for up to 16 DALI scenes per DALI output
- 16 integrated independent 2-level-controllers for brightness control and 16 independent constant light level controllers for 1 main luminaires group and up to 4 additional luminaires groups per DALI output
- 16 integrated calculators for brightness (internal and external) values per DALI output
- Assignment of DALI ECG to channels/groups and with test options of channels/groups and scenes via DCA in ETS during commissioning of gateway
- Assignment of DALI sensors and test option of sensors via DCA in ETS
- Integrated bus coupling unit
- Bus connection via bus terminal
- Maintenance-free push-in terminals for connection and through-wiring of untreated single-core, stranded or multi-core conductors, 0.5 ... 2.5 mm²
- Mounting on DIN rail EN 60715-TH35-7.5

Range overview N 141/14, N 141/32

Product Title	Dimensions (WxHxD) [mm]	Dimension width (1 MW = 18 mm)	Stock no.	Product no.
KNX/DALI Gateway, 1 line	72 x 55 x 90	4	5WG1141-1AB14	N 141/14
KNX/DALI Gateway Twin, 2 lines	72 x 55 x 90	4	5WG1141-1AB32	N 141/32

KNX Switch/dim actuator, 2x DALI Broadcast

- 2 DALI outputs with DALI-2 certification
- Control capacity for up to 20 DALI-ECGs per DALI output
- DALI output voltage of 19 V, short circuit resistant
- Integrated power supply with input voltage AC 110-240 V, 50-60 Hz or DC 120-240 V for powering the gateway electronics and DALI output
- LED display for displaying operation mode and the following failure messages: Illuminant defective, DALI incorrect voltage, DALI short circuit, no ECG found
- One pair of push buttons for switching On/Off and dimming of all connected DALI ECG
- Button on the device front for deactivation of the direct mode operation and LED to indicate activation direct mode operation
- Building site function that provides ex-factory enables switching the building site lighting on and off via bus wall switches and actuators, even if these devices have not yet been commissioned with the Engineering Tool Software (ETS)
- Housing: plastic, N-system
- DIN rail mounted device for mounting on rail TH35 according to DIN EN 60715
- Type of protection: IP 20
- Max. width 4 TE (1 TE = 18 mm)
- Control of color temperature (Tunable White)
- One switching, dimming and color temperature value and status object per output
- Selectable operation mode (normal mode, time switch mode, blinking)
- Adjustable ON- and OFF-delay, control value input object, central switching
- Two logic operation (AND/OR/NAND/NOR/EXOR/FILTER/TRIGGER)
- Adjustable dimming time for switching, dimming and color temperature
- Switch an output on or off by dimming
- Seven configurable dimming curves
- Maximum and minimum dimming and color temperature value
- Configurable sending of status objects on request, cyclically, and / or automatically after a change
- Configurable state on voltage failure and on voltage recovery
- Night mode for time-limited switching the output, i.e. the lighting, at night
- Variable On period at night or time switch mode, time limit in timer switch mode, warning signal prior to imminent switching-off
- Manual override, permanent OFF switching, forced control, locking mode
- Counting of operating hours and counting of load cycles with threshold monitoring
- Integrated 8-bit scene control and linking of each output into up to 8 scenes
- Failure status objects

Data sheet	A6V11914230
Number of channels	2
Dimensions (W x H x D)	72 x 90 x 60 mm
Dimension width (1 MW = 18 mm)	4 MW
Warranty	24 Months

N 525D11



10

Stock no.	Product no.
5WG1525-1DB11	N 525D11

Accessories for KNX / DALI Gateway

UP 141/71



DALI Push button interface 4fold

- Binary input device
- 4 inputs to connect installation buttons
- Supported actions per input
 - Short button press
 - Long button press
- Integrated DALI bus coupling unit for communicating with a central DALI controller/gateway
- Power supply through DALI line with 6 mA DALI bus load
- For flush-mounting wall or ceiling outlet installations with a 60 mm diameter and depth of 60 mm
- Plug-in terminals for connecting the DALI line
- Cable set for connecting pushbuttons

Data sheet
Warranty

A6V11786002
24 Months

Stock no.	Product no.
5WG1141-2AB71	UP 141/71

IP Gateway KNX/BACnet

- BACnet Application Specific Controller (B-ASC) as Gateway between KNX TP and BACnet IP
- Up to 250 BACnet objects
- Up to 455 BACnet COV subscriptions
- Automatic translation of KNX communication objects into BACnet objects according to the configuration with ETS
- For communication between KNX devices and PCs or other devices with Ethernet (10BaseT) interface, as well as in conjunction with a LAN modem or DSL router for remote access to an KNX installation
- For use as an interface e.g. for ETS or for visualization software
- Use the KNXnet/IP protocol
- KNXnet/IP Tunneling connection for parallel bus access by ETS and further PC software
- Assignment of the network parameters by the installer using ETS, or automatically by a DHCP server in the network
- 2 LEDs for display of operational availability and IP communication
- Additional power supply by an external safety extra low voltage power supply for AC/DC 24 V, 40 mA
- Pluggable terminal block for connection of external power supply unit (not included)
- Integrated bus coupling unit with bus connection via bus terminal
- Ethernet connection via RJ45 socket
- Mounting on DIN rail EN 60715-TH35-7.5

Data sheet	A6V10466141
Dimensions (W x H x D)	72 x 90 x 60 mm
Dimension width (1 MW = 18 mm)	4 MW
Warranty	24 Months

N 143/01



	Stock no.	Product no.
	5WG1143-1AB01	N 143/01

Accessories for N 143/01

Product Title	Stock no.	Product no.
LOGO! Power 24 V/1.3 A	6EP3331-6SB00-0AY0	LOGO!POWER 24 V/1,3 A

OCI700.1



Service tool for KNX / LPB

The service tool consists of:

- OCI700 service interface
- USB cable
- Service cable for Synco™ controllers
- Service cable for SIGMAGYR® and ALBATROS controllers
- Download information for the ACS790 PC Tool: www.siemens.com/acs790

Commissioning and diagnostics of the following devices:

Synco devices:

- Web Server OZW772
- Heating controller RMH760B-1
- Boiler sequence controller RMK770-1
- Universal controllers RMU7..0B-1
- Universal controllers RLU2..
- Switching and monitoring device RMS705B-1
- Room unit QAW740
- Central control unit RMB795B-1
- Individual room controllers RXB..
- Signal converter SEZ220
- Synco™ living central apartment unit QAX9..
- Synco™ thermostats RDF.., RDG..
- Sensores: QMX3.P30, QMX3.P70, AQR253.. and AQR257..

Data sheet	N5655
Voltage supply	USB
Degree of protection	IP20
Color	Gray
Warranty	24 Months

Stock no.	Product no.
BPZ:OCI700.1	OCI700.1

N 148/12



KNX USB Interface

- Compatible with USB 2.0 and USB 3.0
- For isolated access to the bus line over the built-in USB socket (type B)
- For connection of a PC for addressing, parameterization, visualization, logging and diagnosis of bus devices
- Access to all bus devices in the whole bus system
- Support of bus telegrams with up to 64 bytes length
- Power supply over the bus line and over USB through the connected PC
- Integrated bus coupling unit, bus connection over bus terminal
- Transmission at USB 2.0 speed (max. 12 Mbit/s) between PC and USB interface
- Modular installation device for mounting on TH35 DIN EN 60715 mounting rail

Data sheet	A6V11535346
Dimensions (W x H x D)	18 x 90 x 55 mm
Dimension width (1 MW = 18 mm)	1 MW
Warranty	24 Months

Stock no.	Product no.
5WG1148-1AB12	N 148/12

USB - KNX Service interface

The service interface consists of:

- OCI702 service interface
- USB 2.0 cable (Type A / B)
- KNX service cable for Synco™ controllers (RJ45 / RJ45)
- KNX service cable for Desigo™ TRA (RJ45 / jack plug 2.5 mm)
- KNX service cable (RJ45 / KNX bus terminal)

With the respective PC software, the interfaces allows to commission and service devices with KNX communication, e.g. from the following ranges:

- Synco™ 700 controllers and room devices
- KNX room thermostats RDF..., RDG..
- Individual room controllers RXB..
- Synco™ living central apartment units QAX9...
- Desigo TRA
- GAMMA devices

Data sheet	A6V10438951
Degree of protection	IP20
Warranty	24 Months



OCI702

	Stock no.	Product no.
	S55800-Y101	OCI702

LOGO! CMK2000



Communication Module LOGO! CMK2000

- For communication between LOGO! 8 and KNX devices via the KNX bus
- Transformation of typical PLC signals into KNX telegrams and vice versa
- Linking transmitted KNX data points and LOGO! inputs and outputs via logic and control functions through LOGO!
- The following channels are available at the maximum configuration level of the LOGO!:
 - 24 binary inputs
 - 20 binary outputs
 - 8 analog inputs
 - 8 analog outputs
- Date and time can be synchronized via KNX
- 50 configurable communication objects
- Communication via Ethernet with LOGO! 8

Data sheet A6V11642346
Dimension width (1 MW = 18 mm) 4 MW

		Stock no.	Product no.
		6BK1700-0BA20-0AA0	LOGO! CMK2000