

Master.



MASTER, the innovative system navigator of the CHORUS system integrates the home automation systems and entryphone thereby allowing the control of the entire home at a single touch.

The touch-screen panel and intuitive interface make controlling the home easy, direct and available to all.

MASTER

MASTER, the supervisory and display touch screen panel, allows to control of all system functions, manage the KNX - EIB and burglar alarm system, and integrate household entryphones and surveillance systems.



The simple and intuitive map and plan display allows to control all household functions with extreme ease.

MASTER offers cutting edge functions such as the creation of complex settings, hourly programming, logic management and even notification of events via e-mail. The web-server function permits the remote control of the entire system via Internet. TFT 10,4" colour display.

Home Automation.



CHORUS offers the simplest way to enter the world of home automation. In accordance with the KNX/EIB standard, the Easy system allows to configure the system without the need of a PC. Household functions can be created in just a few short steps thanks to the self-learning devices.



Easy light-sensitive IR movement detector



Actuator for Easy motor control



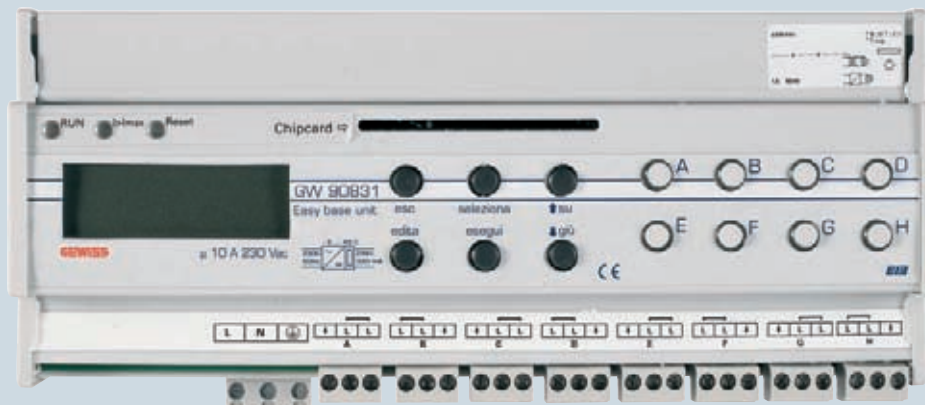
Easy 4 channel push-button panel

HOME AUTOMATION

CHORUS offers an open and modular system that responds to a simple and direct single control.

This is the EIB Easy system that, using the European recognised EIB protocol, can make all system components communicate with one another. It is also very easy to use, a PC is not required for programming and can be remotely accessed via SMS and Internet. If required it can be expanded for more complex systems, integrating it with traditional EIB products.

Controlling all household functions will be as easy as pushing a button.



The Base Unit is the heart of the Easy EIB system and on which is based the Chorus - Home Automation offer. Used as an alternative to specific software tools (ETS) that inevitably require the use of a Personal Computer, the configuration of the system is easier, quicker and intuitive using six push-buttons and a display.

The Easy EIB devices are automatically recognised: simply select that required during programming to create the desired function: light, dimmer, roller shutter, scenes, alarms, temperature adjustment controls.

With integrated BUS power supply unit, an 8 channel output actuator and a timer in a single device and backup chip card to save the project data.

MASTER

MASTER



GW10000VT

TOUCH SCREEN COMMAND AND VISUALISATION PANEL - FLUSH-MOUNTING

Code	Power supply voltage	Display	Plate colour	Pack Carton
GW 10 000 TB	230V ac	Colour touch screen 10.4"	White	1
GW 10 000 VT	230V ac	Colour touch screen 10.4"	Titanium	1
GW 10 000 VA	230V ac	Colour touch screen 10.4"	Slate	1

CHARACTERISTICS: colour TFT touchscreen control panel, for commanding and controlling the EIB Easy system. Integrates the function of internal entryphone-with-screen speakerphone with that of web server, allowing the remote control of the system, via the Internet. Visualisation of commands and status by means of icons

on maps, images, plans. Video resolution 800x600, Linux operative system.

APPLICATIONS: local and remote control (via the Internet) of the EIB Easy system, logical functions, timer, automatic sending of e-mails regarding events.

In combination with the interface GW90824, it allows the connection to the upright of the entryphone-with-screen, and the remotisation of the call on the entryphone-with-screen and of the images from the surveillance telecameras. Any remote control computer used does not require specific software: just use an Internet Browser.

NOTES: flush-mounting box included.



GW90824

ENTRYPHONE-WITH-SCREEN INTERFACE FOR MASTER AND INTERNET GATEWAY - FROM DIN RAIL

Code	No. DIN modules	Pack Carton
GW 90 824	9	1

CHARACTERISTICS: to be used to connect the Master to the upright of the entryphone-with-screen system.

INTERNET GATEWAY

INTERNET GATEWAY



GW90816

INTERNET GATEWAY

Code	Power supply voltage	Dimensions LxHxD (mm)	Pack Carton
GW 90 816	12V dc	128x44x176 mm	1

CHARACTERISTICS: the device acts as an embedded web server and allows you to manage and control the EIB Easy system via the Internet, or locally, via a LAN.

Integrated analogical modem 56kbit/s. Fitted with two RJ45 Ethernet gates (10/100 Mbit/s), one RJ11 gate for connection to the PSTN network.

APPLICATIONS: remote control via the Internet of the EIB Easy system, logical functions, timer, automatic sending of e-mails regarding events.

In combination with the interface GW90824, it allows the remotisation of video images from the entryphone-with-screen system, or the surveillance telecameras.

The remote control computer used does not require special software: just use an Internet Browser.

Plug power supply included.



GW90824

ENTRYPHONE-WITH-SCREEN INTERFACE FOR MASTER AND INTERNET GATEWAY - FROM DIN RAIL

Code	No. DIN modules	Pack Carton
GW 90 824	9	1

CHARACTERISTICS: to be used to connect the Internet gateway GW90816 to the upright of the entryphone-with-screen system.

SYSTEM COMPONENTS

STANDARD UNIT

GW90831



EASY STANDARD UNIT - FROM DIN RAIL

Code	Power supply voltage	Output voltage	Max. current supplied	No. DIN modules	Pack Carton
GW 90 831	230V AC 50/60Hz	30V dc \pm 2V	320 mA	12	1

CHARACTERISTICS: configuration unit of the EIB Easy system, allows you to manage a bus line consisting of up to 64 devices.

Includes a bus power supply with a maximum output current of 320mA, plus an actuator with 8 output channels (230V AC, 10A) with potential-free contacts. Integrates a timer with four output channels and a scene module.

NOTES: connection to the bus via coupling terminal with protection. Backup chip card GW90832 included.

GW90832



CHIP CARD FOR BACK-UP FOR EASY STANDARD UNIT

Code	Description	Pack Carton
GW 90 832	Chip card	1

CHARACTERISTICS: backup chip card for saving the project data of the Easy base unit GW90831.

COMMAND AND VISUALISATION SUPERVISION

COMMAND PANELS

GW1271VT



EASY COMMAND AND VISUALISATION PANELS

- FLUSH-MOUNTING - LUX

Code	Plate colour	Power supply voltage	Display	For flush-mounting boxes	Dimensions LxHxD (mm)	Pack Carton
GW 12 771 TB	Milk white	230V AC 50/60Hz	Monochromatic 2,8"	GW24237	150x160x57 mm	1
GW 12 771 VT	Titanium	230V AC 50/60Hz	Monochromatic 2,8"	GW24237	150x160x57 mm	1
GW 12 771 VA	Slate	230V AC 50/60Hz	Monochromatic 2,8"	GW24237	150x160x57 mm	1

CHARACTERISTICS: control panel with back-lit graphic LCD, for commanding and controlling the EIB Easy system.

Fitted with 6 frontal, navigation button-keys. Equipped with rechargeable backup battery. Configuration with Easy base unit possible GW90831.

APPLICATIONS: allows you to select ON-OFF commands, commands for temperature control and commands to manage roller-shutters, dimmers, scenes (memorisation and activation) and the visualisation of the status of the controlled devices. It also allows you to control the burglar alarm system, and to create timed command sequences. It works as: a clock, calendar, thermometer, memo, and hourly timer.

GW1272VT



EASY COMMAND AND VISUALISATION PANELS COMBINED WITH SCREEN-EQUIPPED ENTRYPHONE

- FLUSH-MOUNTING - LUX

Code	Plate colour	Power supply voltage	Display	For flush-mounting boxes	Dimensions LxHxD (mm)	Pack Carton
GW 12 772 TB	Milk white	230V AC 50/60Hz	Colour 3,5"	GW24237	150x160x57 mm	1
GW 12 772 VT	Titanium	230V AC 50/60Hz	Colour 3,5"	GW24237	150x160x57 mm	1
GW 12 772 VA	Slate	230V AC 50/60Hz	Colour 3,5"	GW24237	150x160x57 mm	1

CHARACTERISTICS: the device integrates the functions of command display and visualisation of the EIB Easy system with that of internal entryphone-with-screen and speakerphone. Equipped with rechargeable backup battery. Configuration with Easy base unit possible GW90831.

REMOTE CONTROL

REMOTE CONTROL MODULES

GW90861



GSM EASY REMOTE CONTROL - FROM DIN RAIL

Code	Power supply voltage	No. DIN modules	Pack Carton
GW 90 861	230V AC 50/60Hz	6	1

CHARACTERISTICS: via the GSM network (for example from a mobile phone), or text messages, the device allows you to command the EIB Easy actuators. It is also possible to transmit information arriving from devices connected to the bus (via text messages, to a pre-set telephone number). Using a computer (USB gate), it is possible to set the outgoing messages and the telephone numbers to be used for calls.

Configuration with Easy base unit possible GW90831

APPLICATIONS: allows you to select ON-OFF commands, timed commands, priority commands, commands for temperature control and commands to manage roller-shutters, dimmers, scenes (memorisation and activation). The outgoing information (text messages) relates to the status of the actuators commanded.

NOTES: equipped with coupling terminal for connection to the bus, with protective cover and GSM antenna. Configuration software included. Three backup batteries (AAA rechargeable) not included.

GW90825



ENTRYPHONE INTERFACE FOR GSM REMOTE CONTROL - FROM DIN RAIL

Code	No. DIN modules	Pack Carton
GW 90 825	2	1

CHARACTERISTICS: in combination with the GSM repeaters GW90821, GW90861, GW90815 it allows you to forward the entryphone call arriving from an external position to a pre-set telephone number. The call deviation function can be activated via the front push-button.

By means of the DTMF tones of the telephone called, it is also possible to send commands to activate the electro-lock, or auxiliary configuration commands.

INPUTS

BINARY INPUT MODULES



GW90834

EASY 4-CHANNEL CONTACTS INTERFACE - RETRACTABLE

Code	No. input channels	No. output channels	Max length cables	Dimensions LxHxD (mm)	Pack Carton
GW 90 834	4	4	10 m	38x32x14mm	1

CHARACTERISTICS: bus interface for the connection of 4 push-buttons or conventional, potential-free contacts. The reading voltage (SELV) is generated within the device. For each input, an output is available, for the power supply to a low absorption LED (less than 1mA like, for example, GW10898, GW10899) to visualise the status of the load commanded. Configuration with Easy base unit GW90831 possible.

APPLICATIONS: allows you to select ON-OFF commands with fronts management, switching commands, timed commands, priority commands, commands for temperature control and commands to control roller-shutters (with single or double push-button), dimmers (with single or double push-button), and scenes (memorisation and activation). The input channels can be used as alarm inputs (weather sensors).

Installation in flush-mounting box, junction boxes, or embedded in the blanking modules GW10751, GW12571, GW14571.

The slot on the plastic shell also allows for screw fixing.

NOTES: fitted with coupling terminal for connection to the bus, and unshielded cables (for the connection of the inputs), 30cm long, extendable up to 10m, with unshielded, braided cable.



GW10898

MINIATURE LAMPS WITH WIRED LEAD AND LED LAMP

Code	Power supply voltage	Lamp	Colour	Cable Colour	Pack Carton
GW 10 898	3 - 5 V dc	Led	Red	Red - black	50
GW 10 899	3 - 5 V dc	Led	Green	Green - black	50

NOTES: the miniature lamps with wired lead are equipped with power cables. If connected with the interfaces GW90721, GW90834, they do not require the use of a current limiting resistance. In this case, the maximum current absorbed is less than 1mA.



GW14751

BLANKING MODULE FOR HOUSING 4-CHANNEL CONTACTS INTERFACE

Code	Colour	No. modules Chorus	Pack Carton
GW 10 751	White	1	5/200
GW 12 751	Black	1	5/200
GW 14 751	Titanium	1	5/200

CHARACTERISTICS: 1-gang blanking module with tamppography KNX-EIB.

Allows the housing and rapid identification of the 4-channel contacts interface GW90834 or GW90721.

NOTES: embedded coupling.



GW14752

EASY 4-CHANNEL PUSH-BUTTON PANEL - FLUSH-MOUNTING

Code	Colour	No. channels	No. modules Chorus	Pack Carton
GW 10 752	White	4	2	1
GW 12 752	Black	4	2	1
GW 14 752	Titanium	4	2	1

CHARACTERISTICS: push-button panel, 4 button keys/4 channels, with integrated coupling unit for EIB bus. Each button key has an amber, night-locating LED, and a green LED to visualise the status of the commanded load. Configuration with Easy base unit GW90831 possible.

APPLICATIONS: allows you to select ON-OFF commands with fronts management, switching commands, timed commands, and commands to control roller-shutters (single or double push-button), dimmers (with single or double push-button) and scenes (memorisation and activation).

NOTES: equipped with coupling terminal for connection to the bus, with protective cover and a set of icons to personalise the functions of the button keys.



GW90846

EASY 4-CHANNEL BINARY INPUT MODULE - FROM DIN RAIL

Code	Max length cables	No. DIN modules	Pack Carton
GW 90 846	50 m	2.5	1

CHARACTERISTICS: bus module with 4-channel binary input, for connecting 4 push-buttons or potential-free contacts.

The reading voltage (SELV) is generated within the device itself. With 4 LEDs for indicating the status of the input contact.

APPLICATIONS: two channels allow you to select ON-OFF commands with fronts management, timed commands, priority commands, commands to control roller-shutters (with double push-button), dimmers (with indication of brightness value), scenes (memorisation and activation), priority commands and commands for temperature control.

The other two channels allow you to enter priority commands, or can be used as alarm inputs (weather sensor)

Configuration with Easy base unit GW90831 possible.

NOTES: fitted with coupling terminal for protected connection to the bus.

GW14776



EASY 8-CHANNEL RF RECEIVER - FLUSH-MOUNTING

Code	Colour	N. RF input channels	No. modules Chorus	Pack Carton
GW 10 776	White	8	2	1
GW 12 776	Black	8	2	1
GW 14 776	Titanium	8	2	1

CHARACTERISTICS: 8-channel radio receiver to interface the command devices of the "RF Command and Control" system with the actuators of the EIB Easy system. Up to 4 command devices can be associated with each radio input channel. Configuration with Easy base unit GW90831 possible.

APPLICATIONS: allows you to select ON-OFF commands with fronts management, inversion commands, timed commands, priority commands and commands to control roller-shutters, dimmers, scenes (memorisation and activation).

NOTES: fitted with coupling terminal for with protective cover for connection to the bus.

The commands available depend on the type of device with which it is associated. To be used in combination with: RF push-button panels, RF remote controls, RF movement detectors, RF timed thermostats, RF two-way timed thermostats and RF input modules.

SENSORS

GW14756



EASY LIGHT-SENSITIVE IR MOVEMENT DETECTOR - FLUSH-MOUNTING

Code	Colour	Cycle time	Threshold adjustment	No. modules Chorus	Pack Carton
GW 10 756	White	10s - 5min	10 - 500 lux	2	1
GW 12 756	Black	10s - 5min	10 - 500 lux	2	1
GW 14 756	Titanium	10s - 5min	10 - 500 lux	2	1

CHARACTERISTICS: movement sensor with detection conditioned by the light threshold value set. Directional lens.

Operating range: 10m. Vertical bearing angle: 30°. Horizontal bearing angle: 105°. Light threshold value adjustable by means of the front access trimmer. Cycle time can be set in pre-fixed steps via the Easy base unit (10s...5min), and can be modified (\pm 50%) via the front access trimmer. Frontal green LED signals movement detection, and command entry.

Configuration with Easy base unit GW90831 possible.

APPLICATIONS: allows you to send timed commands to the movement detector. The entry of commands can be conditioned by the status of the piloted actuator. The device is able to manage a safety pause of 5 seconds upon the deactivation of the piloted load. For installation indoors.

NOTES: fitted with coupling terminal with protective cover for connection to the bus.

GW90769



WIND SENSOR

Code	Level of protection	Pack Carton
GW 90 769	IP65	1

CHARACTERISTICS: anemometer to be used in combination with the wind sensor interface GW90770.

GW90770



WIND SENSOR INTERFACE

Code	Power supply	Dimensions LxHxD (mm)	Level of protection	Pack Carton
GW 90 770	230V ac	110x95x38 mm	IP55	1

CHARACTERISTICS: allows the interface of the wind sensor GW90769 with the modules GW90834 and GW90846. Generates an alarm signal via a potential-free, NO contact, on the basis of the wind intensity (adjustable with 10 threshold values, 3.3...24.5m/s). Wall-mounting.

OUTPUTS

OUTPUT MODULES FOR GENERAL LOADS



GW14766

EASY 1-CHANNEL 16A ACTUATOR - FLUSH-MOUNTING

Code	Colour	Output contacts	No. modules Chorus	Pack Carton
GW 10 766	White	1NA/NC16A(AC1)/10A(AC15)230Vac	2	1
GW 12 766	Black	1NA/NC16A(AC1)/10A(AC15)230Vac	2	1
GW 14 766	Titanium	1NA/NC16A(AC1)/10A(AC15)230Vac	2	1

CHARACTERISTICS: 1-channel actuator to activate loads via the potential-free output contact (NO NC).

Fitted with frontal push-button for local activation, and LED indicating output contact closure.

Configuration with Easy base unit GW90831 possible.

APPLICATIONS: ON-OFF commands, timed commands with warning function when switching off, priority commands and scene management commands.

Suitable for commanding fluorescent lamps with a maximum current of 4A.

NOTES: fitted with coupling terminal with protective cover for connection to the bus.



GW90836

EASY 4-CHANNEL 16A ACTUATOR - FROM DIN RAIL

Code	Output contacts	No. DIN modules	Pack Carton
GW 90 836	4NA 16A (AC1)/4A(AC15) 230V ac	4	1

CHARACTERISTICS: 4-channel actuator to activate loads via the potential-free output contacts (NO).

Fitted with frontal push-buttons for local activation, and LED indicating output contact closure.

Configuration with Easy base unit GW90831 possible.

APPLICATIONS: ON-OFF commands, timed commands with warning function when switching off, priority commands and scene management commands.

Suitable for commanding fluorescent lamps with a maximum current of 4A.

NOTES: fitted with coupling terminal with protective cover for connection to the bus.

OUTPUT MODULES FOR ENGINE COMMAND



GW14767

EASY 1-CHANNEL 8A ENGINE COMMAND ACTUATOR - FLUSH-MOUNTING

Code	Colour	Output contacts	No. modules Chorus	Pack Carton
GW 10 767	White	8A(AC1)/3A(AC15)230V ac	2	1
GW 12 767	Black	8A(AC1)/3A(AC15)230V ac	2	1
GW 14 767	Titanium	8A(AC1)/3A(AC15)230V ac	2	1

CHARACTERISTICS: 1-channel actuator to activate a motor to move roller-shutters, curtains, Venetian blinds, rolling blinds, etc.

via potential-free output contacts (NO). Fitted with two frontal push-buttons for local activation, and two LEDs indicating output contact closure.

Configuration with Easy base unit GW90831 possible.

APPLICATIONS: carries out commands of movement/adjustment/stopping, along with priority commands, scene management and alarm signalling commands.

NOTES: fitted with coupling terminal with protective cover for connection to the bus.

OUTPUT MODULES OF DIMMERS



GW90841

EASY 400W RESISTIVE/INDUCTIVE DIMMER ACTUATOR - FROM DIN RAIL

Code	Power supply voltage	Power of incandescent lamp	Power of inductive load	No. DIN modules	Pack Carton
GW 90 841	230V AC 50/60Hz	25 - 400 W	25 - 400 VA	4	1

CHARACTERISTICS: dimmer actuator to regulate the brightness of incandescent lamps and halogen lamps controlled by winding transformers.

Protection against short-circuiting and overloading. Frontal switch to select the work mode.

"Soft start" function to protect lamps. Frontal LED indicating the status of the load, the overload and the functioning.

Configuration with Easy base unit GW90831 possible.

APPLICATIONS: ON-OFF commands, timed commands, priority and brightness regulation commands.

NOTES: fitted with coupling terminal with protective cover for connection to the bus.



GW90842

EASY 300W DIMMER ACTUATOR FOR ELECTRONIC TRANSFORMERS - FROM DIN RAIL

Code	Power supply voltage	Power of incandescent lamp	Power of halogen lamp	No. DIN modules	Pack Carton
GW 90 842	230V AC 50/60Hz	25 - 300 W	25 - 300 W	4	1

CHARACTERISTICS: dimmer actuator to regulate the brightness of incandescent lamps and LV halogen lamps controlled by electronic transformers.

Frontal switch to select the work mode. "Soft start" function to protect lamps.

Frontal LEDs indicating the status of the load and the functioning.

Configuration with Easy base unit GW90831 possible.

APPLICATIONS: ON-OFF commands, timed commands, priority and brightness regulation commands.

NOTES: fitted with coupling terminal with protective cover for connection to the bus. Not suitable for use with winding transformers.

TEMPERATURE ADJUSTMENT

TEMPERATURE ADJUSTMENT



GW10761

EASY TIMED THERMOSTAT - WALL-MOUNTING

Code	Colour	Dimensions LxHxD (mm)	Pack Carton
GW 10 761	White	130x92x23 mm	1
GW 14 761	Titanium	130x92x23 mm	1

CHARACTERISTICS: timed thermostat, programmable on a weekly basis, for controlling heating/air-conditioning systems on the EIB Easy bus. Three-level temperature profile (comfort, pre-comfort, economy). Adjustment with two-point (ON/OFF) or proportional (PWM) control. Fitted with back-lit LCD display. Configuration with Easy base unit GW90831 possible.

APPLICATIONS: can be used in combination with the thermostats GW10763, GW14763 for adjusting the temperature in specific areas. In this case, the timed thermostat acts as a Master, sending the temperature profile to the bus.

NOTES: fitted with coupling terminal for connection to the bus. The device is pre-set for a backup power supply using 2 AAA alkaline batteries (not included), to guarantee the updating of the calendar (day, time) in the event of bus voltage absence



GW14763

EASY THERMOSTAT - WALL-MOUNTING

Code	Colour	Dimensions LxHxD (mm)	Pack Carton
GW 10 763	White	85x95x23 mm	1
GW 14 763	Titanium	85x95x23 mm	1

CHARACTERISTICS: thermostat for controlling the heating/air-conditioning systems on the bus. Adjustment with two-point (ON/OFF) or proportional (PWM) control. Fitted with back-lit LCD display. Configuration with Easy base unit GW90831 possible.

APPLICATIONS: can be used in combination with the timed thermostats GW10761, GW14761 for adjusting the temperature in specific areas. In this case, the thermostat acts as a Slave, putting into effect the temperature profile sent by the Master (timed thermostat), using set point values defined locally. It also allows you to control the fan coils.

NOTES: fitted with coupling terminal for connection to the bus. Equipped with backup battery, to guarantee the updating of the calendar (day/time), in the event of bus voltage absence.

COMPLEMENTARY ITEMS

INTERFACES



GW20476

EIB INTERFACE - BURGLAR ALARM CENTRES

Code	Dimensions LxHxD (mm)	Pack Carton
GW 20 476	38x32x14 mm	1

CHARACTERISTICS: interface between the EIB bus and the command centres GW20470, GW20471 of the RF burglar alarm system. Configuration with Easy base unit GW90831 possible.

APPLICATIONS: allows you to send commands of connection / disconnection / slicing from the EIB bus to the burglar alarm system, and transmit the status of connection / alarm / connection enabling from the burglar alarm system on the EIB bus.

NOTES: to be installed inside the command centres GW20470, GW20471.

Connection to the control unit via mini DIN serial connector.

Connection to the bus via coupling terminal.

ACCESSORIES



GW90583

CABLES

Code	Type	Description	Insulating voltage	Ø (mm)	Colour	Pack Carton
GW 90 583	2 conductors 1 x 2 x 0.8	LSZH Cable sheath	4000 V	5.2	Green	100
GW 90 582	4 conductors 2 x 2 x 0.8	PVC Cable sheath	4000 V	6.1	Green	100

Can be installed with a power supply cable of 230V, and are recommended both for protruding and built-in assembly, for the arrangement in conduits, in dry, open-air places, as long as they are protected from the direct rays of the sun.

In the EIB cable GW90582, the first duplex cable (red + black) is used for the power supply and the data transmission of the EIB devices; the second duplex cable (yellow + white) can be used for another service SELV power supply.

In the EIB cable GW90583, the duplex cable (red + black) is used for the power supply and the data transmission of the EIB devices.

CHARACTERISTICS: GW90582 BUS cable for shielded installation, made up of 2 pairs of twisted conductors. Colours black / red + yellow / white. GW90583 BUS cable for shielded installation, made up of 1 pair of twisted conductors. Colours black/red.