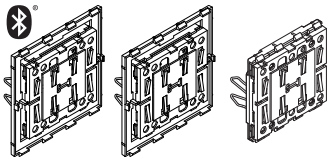
en

Schneider Electric

Wiser push-button module

Operating instructions



System Design

Wiser push-button module, 1-gang
Art. no. MTN5113-6000

Wiser push-button module, 2-gang
Art. no. MTN5123-6000

System M

Wiser push-button module 1-gang
Art. no. MTN5113-0300

Necessary accessories

– To be completed with:
- corresponding inserts (see function overview)
- corresponding 1-gang or 2-gang rockers
- Frame in corresponding design

Accessories

– **Wiser Room** app for Android or iOS

QR code

Wiser Room app for Android

https://play.google.com/store/search?q=WISER%20ROOM%20Schneider

Wiser Room app for iOS

https://itunes.apple.com/us/app/wiser-room/id1133443431?ls=1&mt=8

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For your safety

DANGER

Risk of serious damage to property and personal injury, e.g. from fire or electric shock, due to incorrect electrical installation.

Safe electrical installation can only be ensured if the person in question can prove basic knowledge in the following areas:
- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables

These skills and experience are normally only possessed by skilled professionals who are trained in the field of electrical installation technology. If these minimum requirements are not met or are disregarded in any way, you will be solely liable for any damage to property or personal injury.

Getting to know the push-button module

With the Wiser push-button module (referred to below as **module**), you can carry out various functions such as:
- Switching, dimming and controlling blinds
- Retrieving, changing and saving Comfort light scenes and blind scenes

The module has a Bluetooth interface. You can operate the module with a Bluetooth-enabled smart device (tablet or smartphone) via an app. You can also make settings via the app and use other additional functions, e.g.:
- Timer (staircase lighting)
- Time switch
- Random function
- Pulse generator
- Memory function
- Minimum/maximum brightness
- Magnetic contact
- Sun protection function
- Orientation light

Function overview of the modules on receiving inserts

Complete the module with the receiving inserts for switching, dimming or controlling blinds/roller shutters in order to carry out **local** light and blind control.

Switching:

• Electronic switch insert • Relay switch insert	**Push-button module, 1-gang:** Switching locally Additional app functions: Timer, time switch **Push-button module, 2-gang:** Switching locally, calling up and saving local light scenes (on/off) Additional app functions: Timer, time switch
• Electronic switch insert, 2-gang • Relay switch insert, 2-gang	**Push-button module, 1-gang:** Locally switching both channels simultaneously Additional app functions: Timer, time switch **Push-button module, 2-gang:** Locally switching both channels separately Additional app functions: Timer, time switch (both channels simultaneously)

Dimming:

• Universal dimmer insert • Control insert 1-10 V • DALI insert	**Push-button module, 1-gang:** Switching and dimming locally Additional app functions: Timer, time switch, additional dimmer settings **Push-button module 2-gang:** Switching and dimming locally, calling up and saving local light scenes Additional app functions: Timer, time switch, additional dimmer settings
• Universal dimmer insert, 2-gang	**Push-button module, 1-gang:** Locally switching and dimming both channels simultaneously Additional app functions: Timer, time switch **Push-button module, 2-gang:** Locally switching and dimming both channels separately Additional app functions: Timer, time switch (both channels simultaneously)

Controlling blinds/roller shutters:

• Blind control insert	**Push-button module, 1-gang:** Raising/lowering locally, sun protection function, disabling blind movement (with magnetic contact) Additional app functions: Time switch **Push-button module, 2-gang:** Raising/lowering locally, calling up and saving local blind scenes, sun protection function, disabling blind movement (with magnetic contact) Additional app functions: Time switch

Function overview of the modules on sending insert

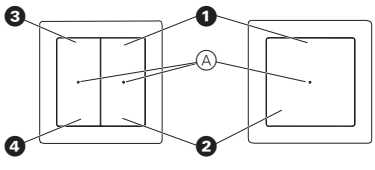
Complete the module with the sending central unit insert in order to carry out **global** light and blind control via the **PlusLink (PL)**.

Global light and blind control:

• Central unit insert	**Push-button module, 1-gang:** Global switching, global dimming, global raising/lowering Additional app functions: Time switch, timer **Push-button module, 2-gang:** Global switching, global dimming, global raising/lowering, calling up and saving global light/blind scenes Additional app functions: Time switch, timer

Connections, displays and operating elements

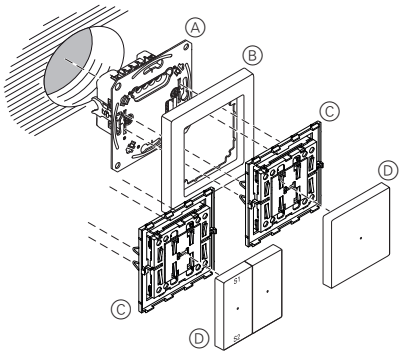
Front:



Ⓐ LEDs (status, orientation)
❶ - ❷ Push-buttons of the push-button module, 1-gang
❶ - ❹ Push-buttons of the push-button module, 2-gang

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Mounting the module



Ⓐ Insert (see function overview)
Ⓑ Frame
Ⓒ Push-button module, 1-gang/2-gang
Ⓓ Rockers, 1-gang/2-gang

Operating the module: local light and blind control

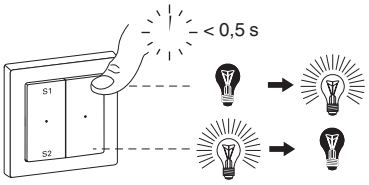
The local light and blind control can be carried out optionally via the app.
Detailed information on the app function scope and operation via the app can be found in the in-app help.

The operation of the module is illustrated below using the 2-gang push-button module as an example.

The "Blind/roller shutter" will be referred to below as "blind".

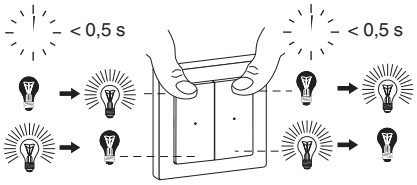
Switching loads on/off

In combination with 1-gang insert



In combination with 2-gang insert

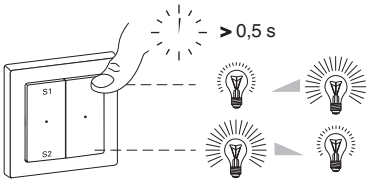
- right push-button: channel 1
- left push-button: channel 2



When using the 1-gang push-button module, both channels are switched simultaneously.

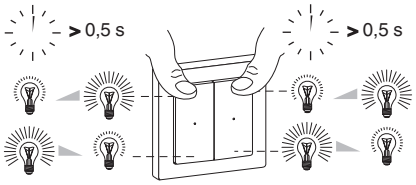
Dimming loads

In combination with 1-gang insert



In combination with 2-gang insert

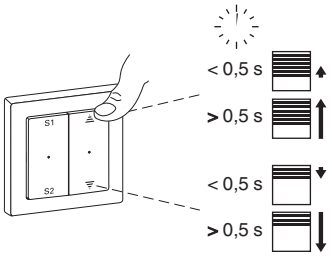
- right push-button: channel 1
- left push-button: channel 2



When using the 1-gang push-button module, both channels are dimmed simultaneously.

Controlling blinds

- raising/lowering (> 0.5 s)
- up/down in steps (< 0.5 s)



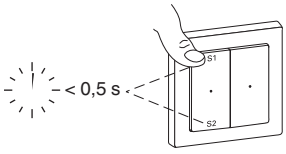
Retrieving local light or blind scenes

(Only for push-button module, 2-gang)

Standard scenes

All devices are delivered from the factory with presettings for a light or blind scene.

S1: Light on (100%) / blind up
S2: Light off / blind down

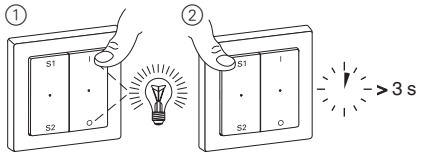


① Retrieve scene: press the S1 or S2 push-button briefly.

- The devices of the light scene adopt the saved brightness value.
- The devices of the blind scene initially move to the uppermost position. After the set running time has elapsed (the standard is 2 minutes), the blinds move to the saved position.

Changing and saving local lightscenes

(Only for push-button module, 2-gang)



① Set the brightness value.
② Save scene: press the S1 or S2 key for a long time.

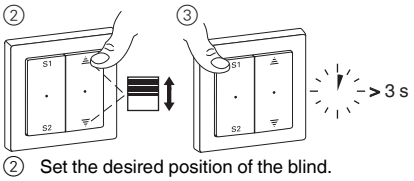
All lamps are switched off briefly and then back on again to indicate that the saving procedure has been successful. Then the lamps adopt the saved brightness value.

Changing and saving local blind scenes Comfort

(Only for push-button module, 2-gang)

For blind scenes Comfort, you can save any position values.

① Move the blind to the upper position and wait for the running time of 2 minutes until the status LED goes out.



② Set the desired position of the blind.
③ Save scene: press the S1 or S2 push-button for a long time.

The blinds move down a step and then back up to indicate that the saving procedure has been successful.

Operating the module via the app

You can operate the module with a smartphone or tablet via an app. To do this, install the app on your smart device and connect it with the module via Bluetooth.

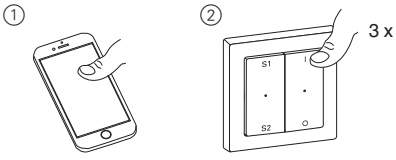
Due to the large number of smart devices available on the market, compatibility cannot be guaranteed. The smart device must fulfil the following minimum technical requirements:

- Bluetooth interface: Bluetooth Smart Ready V4.1 or higher
- Operating system: Android™ 4.4 or Apple® iOS9.1 or higher

The smart device must be in the Bluetooth range of the module for operation via the app (range without obstruction usually 25 m).

Pairing the smart device

After the module is plugged onto the insert for the first time, it performs an initialisation. The status LED (green) flashes during the initialisation phase. Once the initialisation is complete, the smart device can be paired with the module.



① Select the function for adding new devices in the app (when the Bluetooth function is activated).
② Press the upper right push-button 3x.

The smart device is now paired and connected with the module.

Each subsequent connection takes place automatically as soon as the module is selected in the app.

A maximum of 15 smart devices can be paired with one module.

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Operating the module: app functions

Additional settings are available via the app.

- Selecting the mode: timer (staircase lighting with prewarning) or time switch (only one mode can be active)
- Activating the pulse generator (only in combination with a relay switch insert)
- Additional settings for dimming, e.g.:
  - Switching the operating mode to "RL LED mode" (only in combination with a dimmer insert, 1-gang)
  - Setting the minimum and maximum brightness (only in combination with a dimmer insert, 1-gang)
  - Switching the memory function on and off (only in combination with dimmer, DALI or 1-10 V inserts): the device memorises the brightness level that was last set
    (The standard setting is: off)
- Additional settings for blind control, e.g.:
  - Detail settings for the sun protection function
  - Setting the blind movement time
- Switching the orientation LED (green) on and off
  (The standard setting is: off)

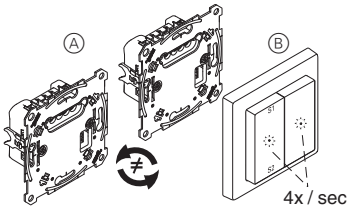
The timer and pulse generator functions can be carried out via the app and manually.

Detailed information on the app function scope and operation via the app can be found in the in-app help.

Changing the insert

A module that has already been configured on an insert via the app can also be used on a different insert. If the two inserts are the same type, all app settings for the module are retained.

If the inserts are different Ⓐ, the app cannot be run. The status LED (red) flashes 4x per second Ⓑ.



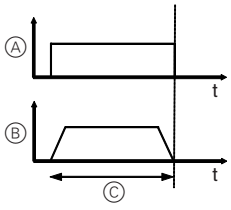
Reset the module to the factory settings (see "Operating the module: basic functions"). Adjust the settings individually.

Timer

In timer mode, the connected loads switch on for the duration of the set overtravel time. Settings for the timer function can be made via the app.

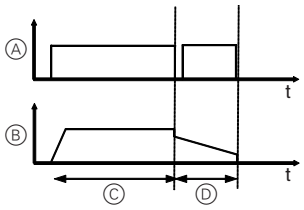
If the prewarning is selected, the end of the overtravel time is indicated. The loads are switched off briefly and then back on again (in combination with switch inserts), or are dimmed down slowly (in combination with dimmable inserts). The loads are switched off after the prewarning time has elapsed (30 s, not adjustable).

Timer without prewarning



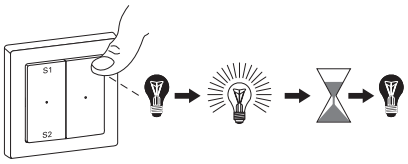
Ⓐ Switching without prewarning
Ⓑ Dimming without prewarning
Ⓒ Overtravel time

Timer with prewarning



Ⓐ Switching with prewarning
Ⓑ Dimming with prewarning
Ⓒ Overtravel time
Ⓓ Prewarning time (30 s, not adjustable)

Operating the timer



- Upper right push-button: start the timer

If actuated repeatedly during the overtravel/prewarning time, the latter restarts.

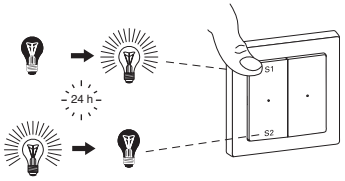
Only possible with timer without prewarning:

- Lower right push-button: switch off the connected load

In combination with a 2-gang insert, both channels are switched simultaneously.

Switching on the timer for 24 h

(Only for push-button module, 2-gang)



- Upper left push-button: switch on the staircase lighting for 24 h
- Lower left push-button: switch off the staircase lighting

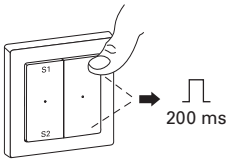
To end the function, press the lower left push-button or restart the overtravel time.

Pulse generator

(Only in combination with a relay switch insert)

Starting the pulse generator

If the pulse generator function is activated, the contact is closed on actuation for the pulse time of 200 ms. This can be used to activate an external automatic staircase lighting function, for example.



Time switch

The time switch can call up 16 independent switching cycles. The following switching cycle settings are available:

- Start and stop time
- Start and stop value (depending on use: on/off, scenes, raising/lowering)
- Day of the week
- ASTRO function

The time switch can also carry out a random function.

Advanced functions

Sun protection function

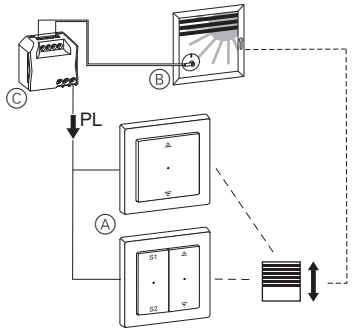
(Only in combination with blind control insert, brightness sensor interface flush-mounted and sun/twilight sensor)

The sun protection function is activated as soon as the brightness measured by the sun/twilight sensor exceeds the limit value for 2 minutes. The blind is lowered to below the sensor, is raised a little and stops above the sensor. If the brightness falls below the limit value for 15 minutes, the blind is raised again.

Manual operation of the modules deactivates the sun protection function.

The sun protection function is only active when the blind is completely raised.

Settings for the sun protection function can be adjusted via the app.



Ⓐ Blind control insert with Wiser push-button modules, 1-gang/2-gang
Ⓑ Sun/twilight sensor
Ⓒ Brightness sensor interface flush-mounted

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Disabling blind movement with magnetic contact

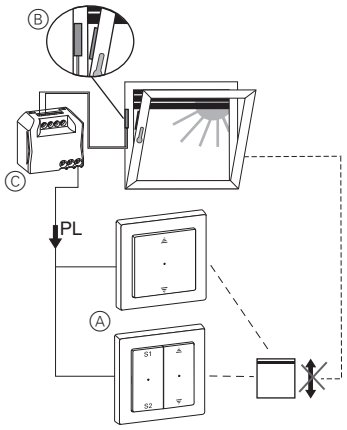
(Only in combination with blind control insert, brightness sensor interface flush-mounted and external magnetic contact)

Raising/lowering the blind via PlusLink commands or via switching times of the module is disabled by a magnetic contact when the window or door is open.

Manual operation using the push-buttons is still possible, but this will re-enable raising/lowering.

CAUTION
Risk of burglary!
Consider that the blind does not close while the window/door is open when using the magnetic contact.

There is an increased risk of burglary!



Ⓐ Blind control insert with Wiser push-button module, 1-gang/2-gang
Ⓑ Magnetic contact
Ⓒ Brightness sensor interface flush-mounted

Behaviour during mains voltage failure and recovery / power reserve

Your switching times are permanently stored if there is a mains voltage failure. The set time and date are saved for at least 6 hours thanks to the power reserve (no batteries required).

After mains voltage recovery the next switching time is carried out. Missed switching times are not carried out.

Controlling the module from another location

Controlling loads from another location via PlusLink with

- Central unit insert or side controller Plus, 1-gang/2-gang
- Mechanical push-button/double push-button
- Sensors

Operating the module: global light and blind control via PlusLink

Global control via PlusLink is possible with the combination of central unit insert and push-button module.

The global light and blind control can be carried out optionally via the app.

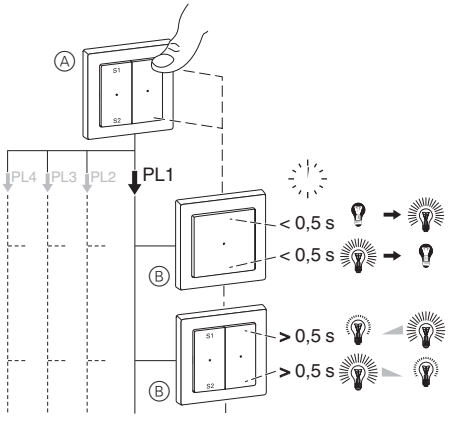
Detailed information on the app function scope and operation via the app can be found in the in-app help.

Global light control

Example of globally switching on/off and dimming 1-4 PL lines

When the push-button module on the central unit insert is pressed, all loads in the PL lines are controlled together:

- Short push-button action (< 0.5 s): switch on/off
- Long push-button action (> 0.5 s): dim



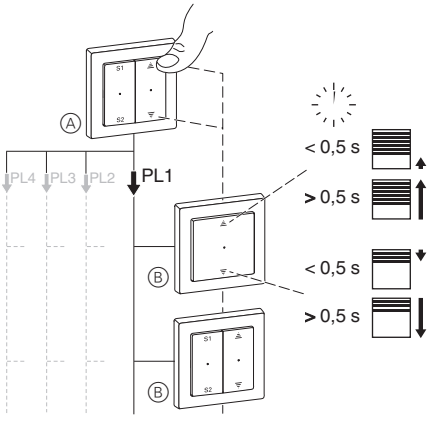
Ⓐ Module on central unit insert
Ⓑ Inserts for switching and dimming (see function overview)

Global blind control

Example of global raising/lowering and gradual up/down of 1-4 PL lines

When the push-button module on the central unit insert is pressed, all loads in the PL lines are controlled together:

- Long push-button action (> 0.5 s): raise/lower
- Short push-button action (< 0.5 s): up/down gradually



Ⓐ Module on central unit insert
Ⓑ Blind control insert

Operating the module: retrieving, changing and saving global scenes via PlusLink

Global scenes via PlusLink are possible with the combination of central unit insert and push-button module, 2-gang.

When you save a scene, this affects **all** connected devices of the PL lines.

The global light and blind control can be carried out optionally via the app.

Detailed information on the app function scope and operation via the app can be found in the in-app help.

Proceed as follows to change and save a scene according to your requirements:

① Change the states of individual devices in the light and/or blind scene.
② Save the scene.

Retrieving global light or blind scenes

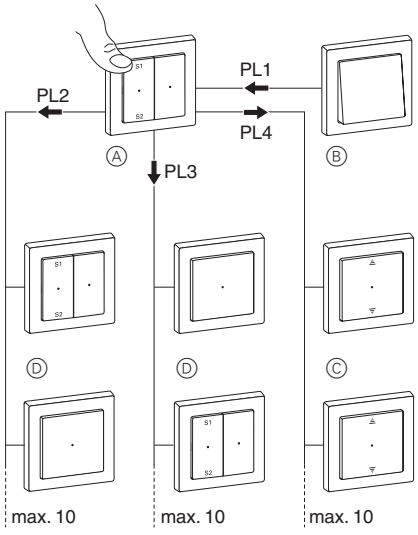
Standard scenes

All devices are delivered from the factory with presettings for a light or blind scene.

S1:	Light on (100%) / blind up
S2:	Light off / blind down
Panic button:	Light on (100%) / blind down

① Retrieve scene: press the S1 or S2 push-button briefly.

- The devices of the light scene adopt the saved brightness value.
- The devices of the blind scene initially move to the uppermost position. After the set running time has elapsed (the standard is 2 minutes), the blinds move to the saved position.



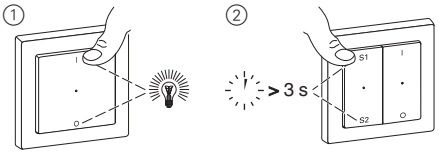
Ⓐ Module on central unit insert
Ⓑ Panic button (mechanical push-button)
Ⓒ PL line 4 with blind scene: blind control insert
Ⓓ PL line 2 and 3 with light scene: inserts for switching and dimming (see function overview)

Presence detectors in the PL lines do not call up scenes, but switch loads on or off (S1/S2) for 24 hours.

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Changing and saving lightscenes

Using a dimmer as example:



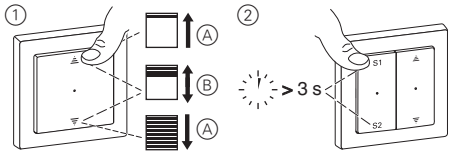
① Set the brightness values of the lamps that you want to change on the receiving device.

② Save scene: press the S1 or S2 key for a long time.

All lamps are switched off briefly and then back on again to indicate that the saving procedure has been successful. Then the lamps adopt the saved brightness value.

Changing and saving blind scenes

In combination with the push-button module Basic on the receiving insert, you can only save the fixed position values of "fully up/down" (①Ⓐ) for blind scenes.
In combination with the push-button modules Comfort and Wiser on the receiving insert, you can save any position values (①Ⓑ).



① Ⓐ Set the positions (fully up/down) of the blinds that you want to change on the receiving device.

Ⓑ Set the positions (any values) of the blinds that you want to change on the receiving device.

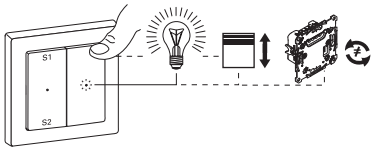
② Save scene: press the S1 or S2 push-button for a long time.

The blinds are lowered and raised by one step to indicate that the saving procedure was successful.

Operating the module: basic functions

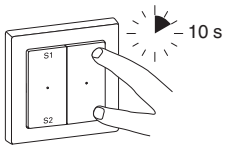
Status LED (red) of the module

The module has status LEDs that give status feedback depending on the selected combination.



Module	Insert	Status feedback
1-gang	1-gang	The LED lights up when load is switched.
2-gang	1-gang	The right LED lights up when load is switched.
1-gang	2-gang	The LED lights up when load is switched.
2-gang	2-gang	The relevant LED lights up when load is switched.
1-gang	Central unit insert	The LED flashes 1x on actuation.
2-gang	Central unit insert	The right LED flashes 1x on actuation.
1-gang/ 2-gang	1-gang/2-gang/central unit insert	The LEDs flash 4x per second if the module is switched to a different insert type.

Resetting to default settings

Operation	Status feedback
	LEDs flash 8x

Technical data

Drift:	< 1 minute/month
Power reserve:	> 6 hours (no battery required)
Display elements	
Push-button module, 1-gang:	1 status LED 1 orientation LED
Push-button module, 2-gang in combination with 1-gang insert/central unit insert:	1 status LED 1 orientation LED
Push-button module, 2-gang in combination with 2-gang insert:	2 status LEDs 2 orientation LEDs
Operating elements	
Push-button module, 1-gang:	2 push-buttons
Push-button module, 2-gang:	4 push-buttons
Bluetooth interface:	Bidirectional RF communication Range without obstruction 10 m
Connection:	Module interface with 8 contact pins



Dispose of the device separately from household waste at an official collection point. Professional recycling protects people and the environment against potential negative effects.

Schneider Electric Industries SAS

If you have technical questions, please contact the Customer Care Centre in your country.

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