



# Schneider Electric Wiser Micro Module Switch User Guide

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**Schneider Electric Wiser Micro Module Switch**



## Product Information

### Specifications

- Product Name: Wiser Micro Module Switch
- Model: PDL5011WSZ
- Brand: Schneider Electric
- Compatibility: Works with standard 240 VAC electrical systems

### Features

- Micromodule switch for controlling electrical devices
- Designed for easy installation and operation
- Provides remote control functionality
- Can be integrated into home automation systems

### Functionality

The Wiser Micro Module Switch is designed to control electrical devices in your home. It can be easily installed and operated, allowing you to remotely control the connected devices. The switch can also be integrated into home automation systems for seamless control.

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### Safety Information

Before installing, operating, servicing, or maintaining the Wiser Micro Module Switch, it is important to read and understand the safety instructions provided. The manual contains special messages that highlight potential

hazards and provide important information for safe usage.

## **Product Usage Instructions**

### **Safety Precautions**

Follow these safety precautions to ensure safe usage of the Wiser Micro Module Switch:

1. Read and understand all safety instructions provided in the manual.
2. Observe all safety messages and symbols to avoid potential hazards.
3. Only qualified personnel should install, operate, service, or maintain the switch.

### **Installation**

Follow the steps below to install the Wiser Micro Module Switch:

1. Turn off the power supply to the electrical circuit you plan to connect the switch to.
2. Carefully remove the switch from its packaging.
3. Identify the appropriate wiring connections for your electrical system.
4. Connect the switch according to the provided wiring diagram.
5. Securely mount the switch in a suitable location.

### **Operation**

To operate the Wiser Micro Module Switch, follow these instructions:

1. Ensure that the power supply to the connected electrical circuit is turned on.
2. Use the provided remote control or integrate the switch into your home automation system for remote operation.
3. Follow the specific instructions for your remote control or home automation system to control the switch.

### **Maintenance**

The Wiser Micro Module Switch does not require regular maintenance. However, if you encounter any issues or malfunctions, refer to the troubleshooting section of the manual or contact qualified personnel for assistance.

### **Cleaning**

To clean the switch, disconnect it from the power supply and use a soft, dry cloth to wipe its surface. Avoid using any liquid or abrasive cleaners.

### **Disposal**

When disposing of the Wiser Micro Module Switch, adhere to local regulations and guidelines for electronic waste disposal.

### **FAQ**

- Can the Wiser Micro Module Switch be used with any electrical system?The Wiser Micro Module Switch is compatible with standard 240 VAC electrical systems.
- Can I control the switch remotely?Yes, the switch can be operated remotely using the provided remote control or by integrating it into a home automation system.
- What should I do if the switch malfunctions?If you encounter any issues or malfunctions, refer to the troubleshooting section of the manual or contact qualified personnel for assistance.

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## Safety information

### Important information

Read these instructions carefully and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.

-  The addition of either symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.
-  This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that accompany this symbol to avoid possible injury or death.

### DANGER

- indicates a hazardous situation which, if not avoided, will result in death or serious injury. Failure to follow these instructions will result in death or serious injury.

### WARNING

- WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

### CAUTION

- CAUTION I indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.

## **NOTICE**

- NOTICE is used to address practices not related to physical injury.

### **For your safety**

## **DANGER**

### **HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks.
- Connecting several electrical devices.
- Laying electric cables.
- Safety standards, local wiring rules, and regulations.

Failure to follow these instructions will result in death or serious injury.

## **DANGER**

### **HAZARD OF ELECTRIC SHOCK**

- Make sure that the terminal connection area does not come in contact with the metallic parts of any device installed in the same location.
- Do not short the outputs to neutral.
- The switch contact and live conductor connection must be separated from one another by a 240 VAC basic insulation.

Failure to follow these instructions will result in death or serious injury.

## **WARNING**

### **HAZARD OF ELECTRIC SHOCK**

- Observe the regulations for working on live parts.
- Only actuate the device buttons using insulated auxiliary equipment that meets the requirements of EN 60900.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

## **About the device**

The Wiser Micro Module Switch (hereinafter referred to as a module) combines the advantages of smart switch functionality with ordinary mechanical push-button switches. It transforms a conventional switch into a connected device that can be controlled from the switch or through the Wiser app. It can switch ohmic, inductive, or

capacitive loads.

**NOTE:** Do not control any devices that depend on a permanent power supply.

### Additional features:

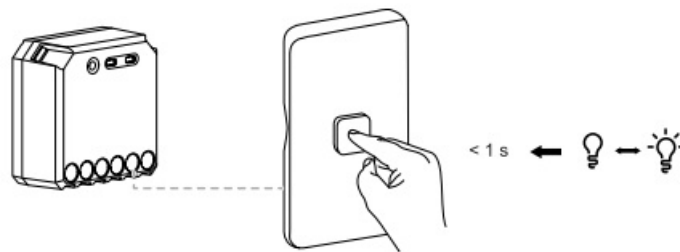
- Remote controlled with a maximum of 10 mechanical push-buttons.
- Setting a time schedule.

### Installing the device

Refer to the installation instructions supplied with this product. See Wiser Micro Module Switch.

### Testing the device

Before using the module, manually test the module and make sure that it works when connected to the devices. Short press the push button once, and the connected device turns on/off.




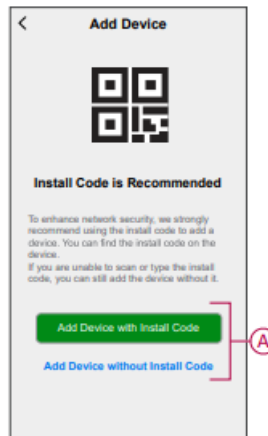
### Pairing the device

Using the Wiser app, pair your device with the Wiser Hub to access and control the device. You can either add the device manually or do an auto-scan to pair it.

### Pairing device manually

To pair the device manually:

1. On the Home page, tap +.
2. Tap  and select the Wiser Hub on the slide-up menu.
3. Select an option to add the device (A):
  1. Add Device with Install Code
  2. Add Device without Install Code



**TIP:** It is recommended to add the device with the install code.

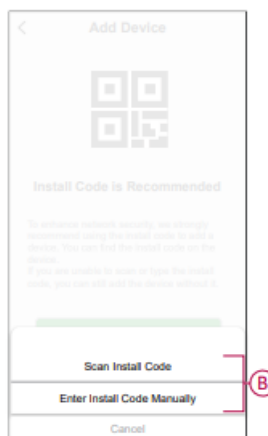
4. To pair the device with an install code, tap Add Device with Install Code to display the slide-up menu. Select any one of the options (B):

1. Scan Install Code: you can scan the device for the install code.

**TIP:** You can find the QR code on the rear side of the device.

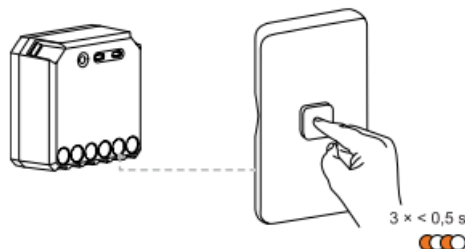
2. Enter Install Code Manually: you can manually enter the install code from the device.

**TIP:** You can find the install code on the rear side of the device. After scanning or entering the install code, proceed to Step 6.



5. To pair the device without the install code, tap Add Device without Install Code.

6. Short press the push button 3 times.

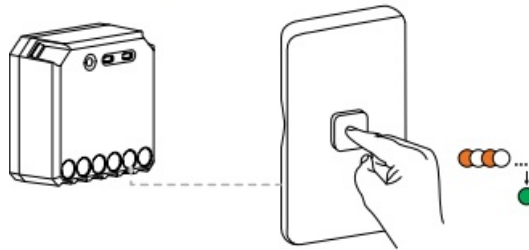


The LED blinks orange.**NOTE:** If the module is located behind the push button, the status LED is not visible.

7. In the app, select Confirm LED is flashing orange and tap Start configuration (C).



Wait for a few seconds until the LED turns green. You can also see in the app that the device is joined.



8. Once the device is added to the app, tap Done.

### Pairing device with auto scan

Pairing the device with auto scan automatically discovers the device when the corresponding device is powered on.

1. On the Home page, tap +.
2. Tap Auto scan > Confirm.
3. Enable permissions to Access location and Wi-Fi for scanning device and tap Start scanning . **NOTE:** If you have multiple hubs, do Step 4 or proceed to Step 5.
4. Tap Select Hub and select the Wisir hub from the slide-up menu.
5. Short press the push button 3 times ( $< 0,5$  s) and wait for a few seconds until the device search is complete. The LED blinks orange. **TIP:** If you want to pair multiple devices at once, perform step 5 on each device and wait for a few seconds for them to be detected.
6. Tap Next (A) and select Micromodule Switch





7. Once the device is added successfully, tap Done

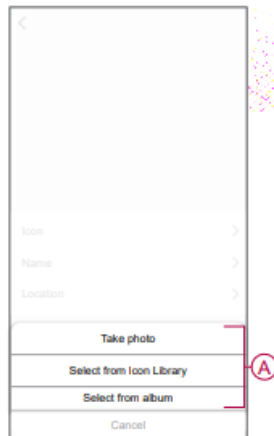


## Configuring the device

### Changing the device icon



You can change the device icon using the Wiser app.

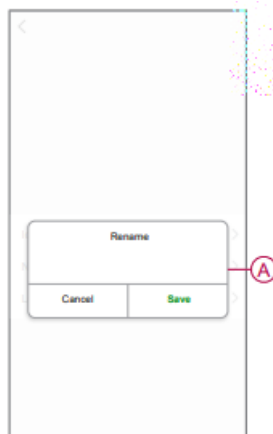
1. On the Home page, select the device for which you wish to change the icon.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap the Icon to view the menu.
5. In the slide-up menu, select any one of the following (A) to change the device icon:
  1. Take a photo – allows you to take a photo with your device camera.
  2. Select from Icon Library – allows you to select an icon from the app library.
  3. Select from Album – allows you to select a photo from the mobile gallery



### Renaming the device



You can rename the device using the Wiser app.

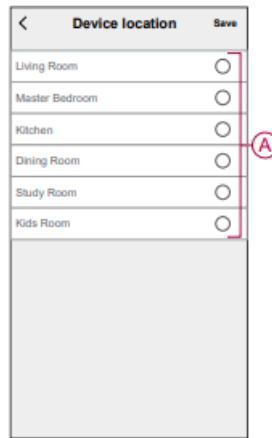
1. On the Home page, select the device for which you wish to rename.
2. At the top-right corner of the screen, tap .
3. Tap edit  next to the device name.
4. Tap Name, enter the new name (A), and then tap Save.



### Changing the device location


You can change the device location using the Wiser app.

1. On the Home page, select the device for which you wish to change the location.
2. At the top-right corner of the screen, tap. 
3. Tap edit  next to the device name.
4. Tap Location.
5. Select the desired location from the list (A) and then tap Save.



## Removing the device

Using the Wiser app, you can remove a device from the device list. To remove the device:

1. On the Home page, tap All devices > Micromodule Switch.
2. Tap  to displays more details.
3. Tap Remove and Factory Reset Device (A).

**TIP:** On the Home page, tap and hold the Micromodule Switch to remove the device.

### NOTE:

- Removing the device will reset the module. After reset the LED turns orange indicating that the module is ready to pair with another network.
- If there is a problem while pairing or resetting the module, refer to Resetting the device manually, page 12.

## Resetting the device

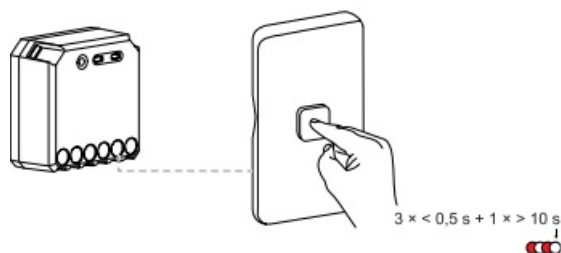
You can reset the device to factory default manually.

1. Short press the push button 3 times and then long press the push button once for 10 seconds.
2. After 10 s, the LED starts blinking red and then releases the operation button.

### NOTE:

- All configuration data, user data, and network data are deleted.
- The LED stops blinking upon successful reset of the device.

- The module restarts and blinks green for a few seconds.

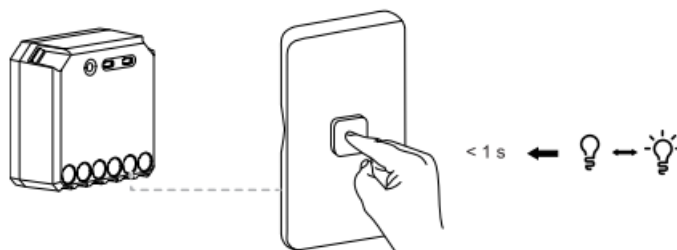


## Using the device

### Manual operation


When the module is connected to a mechanical push button, the connected devices can be controlled manually by short-pressing the push button.

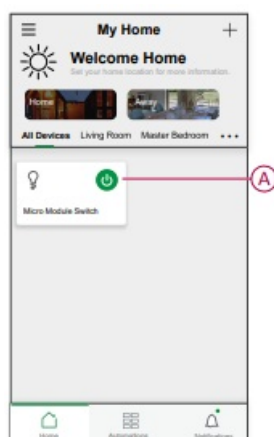
**NOTE:** When the module is installed inside the wall box, the status LED is not visible while using the module



### Turning the light switch on/off using the app

Using the Wiser app, you can turn on/off the light switch remotely.

1. On the Home page, tap All Devices.
2. In the Micromodule Switch tap on  to turn on/off the light switch

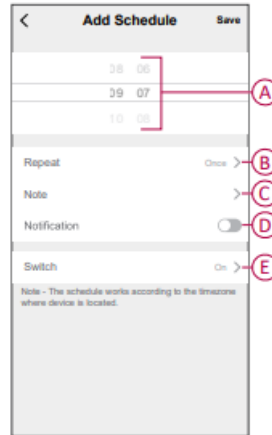


### Setting up a schedule

The device can be fully controlled by schedule. Once the schedule is set, the device operates at a given time.

1. In the device control panel, tap Schedule > Add Schedule to add a schedule.



2. In the Add Schedule menu, set the time (A). **NOTE:** The Schedule works according to the time zone where the device is located.
3. Tap Repeat (B) to select the days you want to set the schedule.
4. Tap Note (C), enter the note, and tap Confirm.
5. Tap the toggle switch (D) to turn on the Notification for the schedule. The app will send a notification that the scheduled task is executed at the scheduled time.
6. Tap Switch (E) and select any option, On or Off.




7. Tap Save.


## Creating a moment

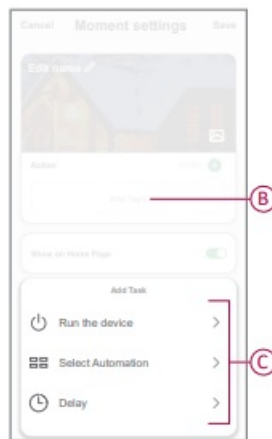
A Moment allows you to group multiple actions that are usually done together. Using the Wiser app, you can create moments based on your needs.

1. On the Home page, tap. 
2. Go to Moment > + to create a moment.
3. Tap Edit name  (A), enter the name of the moment, and tap Save.

**TIP:** You can choose the cover image that represents your moment by tapping .



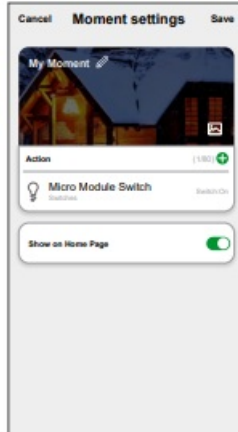
4. In the Action section, tap Add task (B) to open the slide-up menu.
5. In the Add task menu, you can do either or all of the following actions (C):
  1. Run the device: select the devices that you want in a moment.
  2. Select Automation: select the automation that you want to enable or disable.
  3. Delay: set the delay time. **NOTE:** You can add one or more actions using. .



6. Tap Run the device > Micromodule Switch
7. Tap on Switch and select either On / Off / Reverse Switch and tap Save.




8. Tap Next and once the actions are set, tap Save.



## Editing a moment

1. On the Moment tab, locate the moment you want to edit and tap. ●●●.
2. On the Edit page, you can tap each item (such as dimmer, shutter, delay, temperature, etc.) to change the settings.

### TIP:

- You can add one or more actions using. .
- To delete an existing action, slide each item towards the left and tap Delete.

## Deleting a moment



To delete a moment:


1. On the Moment tab, locate the moment that you want to delete and then tap ●●●.
2. Tap Delete and then tap Ok

**NOTE:** After deleting a moment, the device action can no longer be triggered.

## Creating an automation

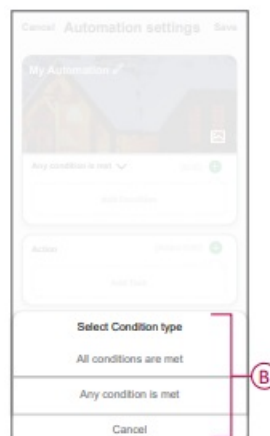
Automation allows you to group multiple actions that are usually done together, triggered automatically, or at scheduled times. By using the Wiser app, you can create automation based on your needs.

1. On the Home page, tap the .
2. Go to Automation > + to create an automation.
3. Tap Edit name  (A), enter the name of the automation, and tap Save.


**TIP:** You can choose the cover image that represents your automation by tapping. .

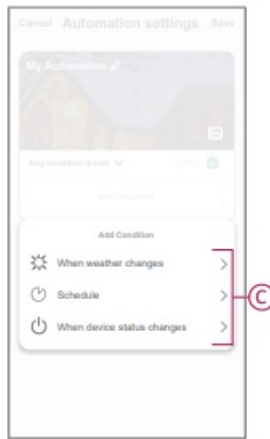


4. Tap Any condition is met to select any one of the condition types (B):
  1. All conditions are met: the automation is triggered when all the conditions are met.
  2. Any condition is met: the automation is triggered when at least one condition is met.



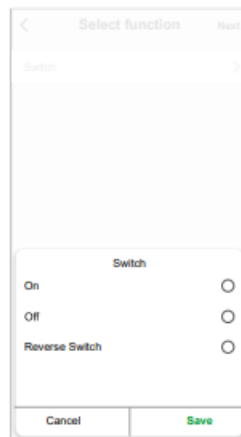
5. Tap Add Condition to open the slide-up menu.
6. In the Add Condition menu, you can do either or all of the following options (C):
  1. When weather changes: select the various weather settings.
  2. Schedule: set the time and day.
  3. When the device status changes: select the device and its function.

**NOTE:** You can add one or more conditions using .



7. Tap When device status changes > Switch and select either function:

1. On: turn on the switch.
2. Off: turn off the switch.
3. Reverse Switch: toggle the last state of the switch

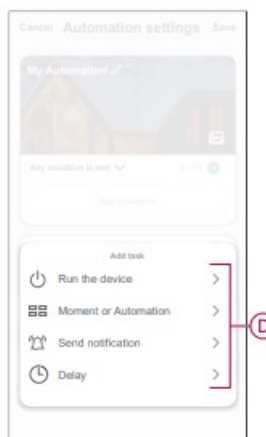


8. Tap Add a task to open the slide-up menu.

9. In the Add task menu, you can do either or all of the following options (D):

1. Run the device: select the devices that you want to trigger.
2. Moment or Automation: select the moment that you want to trigger or select the automation that you want to enable or disable.
3. Send notification: turn on notification for the automation.
4. Delay: set the delay time.

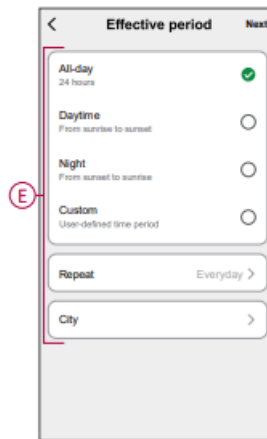
**NOTE:** You can add one or more actions using.



10. Tap on Effective period to set the time range for the automation. You can select any one of the following (E):

1. All-day – 24 hours
2. Daytime – From sunrise to sunset

3. Night – From sunset to sunrise
4. Custom – User-defined time period



11. Set all the actions and conditions and tap Save. Automation is now available under the Automation tab. Use the toggle switch to enable/disable automation

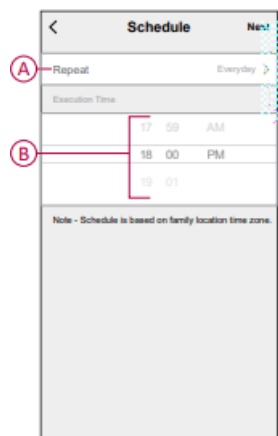
## Example of an automation

This demonstration shows you how to create an automation to turn off the light switch at the scheduled time.

1. Go to Automation > + to create an automation.
2. Tap Edit name, enter the name of the automation, and tap Save.

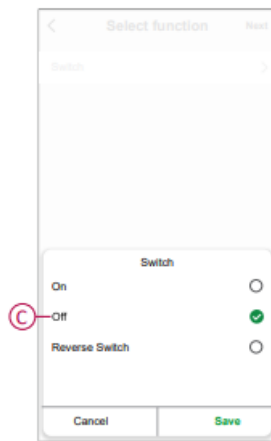
TIP: You can choose the cover image that best represents your automation by tapping. 

3. Tap Add Condition > Schedule.
  1. Tap Repeat (A), select the days you want to set the schedule, and tap Save.
  2. Set the time (B) at which the automation must start and tap Next



4. Tap Add task > Run the device > Micromodule Switch.
5. Tap Switch on the slide-up menu select Off(C) and tap Save






6. Tap Next.
7. In the Automation Settings page, tap Save.

Automation is now available under the Automation tab. Use the toggle switch to enable/disable automation

### Editing an automation

1. On the Automation tab, locate the automation you want to edit and tap. ●●●.
2. On the Edit page, you can tap each item (such as dimmer, shutter, delay, temperature, etc.) to change the settings.

### TIP

- You can add one or more conditions or actions using. .
- To delete an existing condition or action, slide each item toward the left and tap Delete



### Deleting an automation

1. On the Automation tab, locate the automation that you want to delete and then tap. ●●●.
2. Tap Delete and then tap OK.



**NOTE:** After deleting an automation, the device action can no longer be triggered.

### LED indication

#### Pairing the device

User Action	LED Indication	Status
Short press the push button 3 times.	LED blinks orange once per second. 	Pairing mode is active for 30 seconds. When pairing is completed, LED glows green for a few seconds before turning Off. 











#### Resetting the device

User Action	LED Indication	Status
Short press the push button 3 times and hold it down once for > 10 s.	LED blinks red once per second. 	The device is in reset mode. The device then restarts and LED turns orange indicating that the device is ready for pairing. 

## Troubleshooting

Error	Possible cause	Solution
The device is not ready to pair after the device is removed from the app.	The device is not reset correctly.	Reset to factory default settings, refer to <a href="#">Resetting the device manually, page 12</a> .

## Technical data

Nominal power rating for load type		
	Incandescent lamp	2200 W
	Halogen lamp	2000 W
	Iron core transformer	500 VA
	Motor	1000 VA
	Electronic step-down converter	1050 VA
	Capacitive load	10 A, 140 µF
	Fluorescent lamp	100 W
	LED	200 W
	Boiler	2000 W
	Room heater	1500 W

<b>Nominal voltage</b>	AC 220-240 V, 50/60 Hz
<b>Nominal current</b>	10 AX
<b>Switching channel</b>	1, dry contact
<b>Standby</b>	Max. 0.3 W
<b>Operating Temperature</b>	0 °C to 35 °C
<b>Neutral conductor</b>	Required
<b>Connecting terminals</b>	Max. 2 x 2.5 mm <sup>2</sup> , solid or stranded types
<b>Extension connection</b>	Max. 10 mechanical push buttons
<b>Length of all cable sections</b>	Max. 50 m for 3-wire NYM cable
<b>Fuse protection</b>	16 A circuit breaker
<b>Operating frequency</b>	2405 – 2480 MHz
<b>Max. radio-frequency power transmitted</b>	<10 mW
<b>IP rating</b>	IP20
<b>Product dimensions (H x W x D)</b>	43 x 43 x 22 mm
<b>Communication protocol</b>	Zigbee 3.0 certified

## Compliance

### Compliance information for Green Premium products

Find and download comprehensive information about Green Premium products, including RoHS compliance and REACH declarations as well as Product Environmental Profile (PEP) and End-of-Life instructions (EOLI).

<https://checkaproduct.se.com/>



### General information about Green Premium products

Click the link below to read about Schneider Electric's Green Premium product strategy.

<https://www.schneider-electric.com/en/work/support/green-premium/>



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- As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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Documents / Resources

	<a href="#">Schneider Electric Wiser Micro Module Switch</a> [pdf] User Guide Wiser Micro Module Switch, Micro Module Switch, Module Switch, Switch
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References

- [Green Premium products | Schneider Electric Global](#)
- [User Manual](#)