

# Signaling units Ø 60

Harmony<sup>®</sup> XVGU monolithic tower lights

Catalog

September 2013



# How to find the “Automation and Control” products

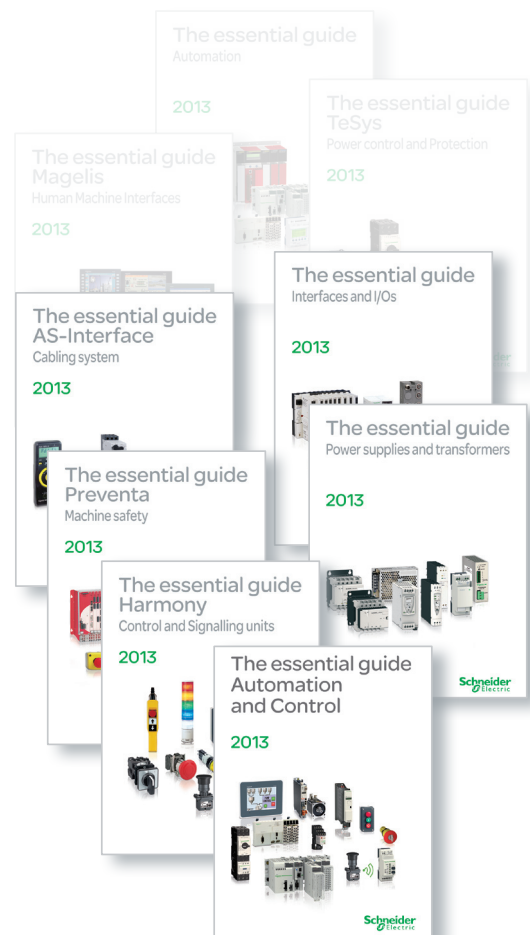
## > Catalogs

Complete product ranges



## > Essential guides

Selection of the top selling products



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## Harmony® XVGU monolithic tower lights

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Harmony® type XV **Monolithic tower lights**



<b>Type of products</b>	Complete pre-cabled pilot lights, height 55 mm/2.17 in.	Complete miniature beacons	Pre-assembled/pre-cabled tower lights Variable composition tower lights for customer assembly of up to 4 units
<b>Diameter</b>	Ø 25 mm/0.98 in.	Ø 45 mm/1.75 in.	Ø 60 mm/2.36 in.
<b>Degree of protection conforming to IEC 60529</b>	IP 40	IP 40	IP 53 and IP 42 (base mounting) IP 23 (direct aluminium tube mounting, aluminium tube mounting and "L" bracket) IP 53 and IP 42 (aluminium tube mounting and fixing plate) IP 40 (aluminium tube mounting and foldable bracket)
<b>Type of signalling</b>	Steady Flashing "Flash" Sound	Yes – Yes –	Yes – – With buzzer
<b>Light sources</b>	Incandescent bulb LED bulb Integral LED "Flash" discharge tube Halogen bulb	Yes – – Yes –	– – Yes – –
<b>Colors of illuminated units</b>	<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Clear <input type="checkbox"/> Yellow	<input type="checkbox"/> Green <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Blue <input type="checkbox"/> Clear <input type="checkbox"/> Yellow	<input type="checkbox"/> Red <input type="checkbox"/> Green <input type="checkbox"/> Amber <input type="checkbox"/> Blue
<b>Connection</b>	Flying leads, length 360 mm/14.17 in.	Screw clamp terminals	Flying leads, length 500 to 560 mm/19.68 to 22.05 in. for tube mounting according to model. Length 900 mm/35.43 in. for base mounting.
<b>Support panel drilling or cut-out</b>	Ø 22 mm/0.87 in. or Ø 30 mm/1.18 in.	3 x Ø 3.3 mm/0.13 in. or M3	Base mounting: 3 x Ø 5 mm/0.20 in. Direct aluminium tube mounting: Ø 20/0.79 in. Aluminium tube mounting and "L" bracket: 2 x Ø 9/0.35 in. Aluminium tube mounting and fixing plate: 4 x Ø 6/0.24 in. Aluminium tube mounting and foldable bracket: 4 x Ø 6/0.24 in.
<b>Type references</b>	XV1CA	XVDLS	XVG



<b>Type of products</b>	Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled tower lights	Pre-assembled and pre-cabled USB tower lights
<b>Diameter</b>	Ø 40 mm/1.57 in.	Ø 60 mm/2.36 in.	Ø 100 mm/3.94 in.	Ø 60 mm/2.36 in.
<b>Degree of protection conforming to IEC 60529</b>	IP 54 (flat surface installation) IP 23 (vertical surface installation)	IP 54 (flat surface installation) IP 23 (vertical surface installation)	IP 54 (flat surface installation)	IP 42
<b>Type of signalling</b>	Yes Yes – With buzzer – – Yes – –	Yes Yes – With buzzer – – Yes – –	Yes Yes – With siren or buzzer – – Yes – –	Yes Yes – With buzzer (volume control and alarm type can be set with HMI) – – Yes – –
<b>Light sources</b>	– – – – – –	– – – – – –	– – – – – –	– – – – – –
<b>Colors of illuminated units</b>	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear	<input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue <input type="checkbox"/> Clear	Multi-color LEDs (many possible combinations can be set with HMI) <input type="checkbox"/> Red <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Blue
<b>Connection</b>	Flying leads, length 450 mm/17.71 in. to 900 mm/35.43 in. according to model	Flying leads, length 450 mm/17.71 in. to 850 mm/33.46 in. according to model	Flying leads, length 500 mm/19.68 in.	USB power cable: - 300 mm/11.81 in. for tube mounting - 400 mm/15.75 in. for direct mounting
<b>Support panel drilling or cut-out</b>	Mounting on support tube with bracket: 2 x Ø 9 mm/0.35 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.20 in. Other mounting possibilities with accessories	Mounting on support tube with bracket: 2 x Ø 11 mm/0.43 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.20 in. Other mounting possibilities with accessories	Direct mounting on horizontal support: - 3 x Ø 6 mm/0.24 in. (without siren) - 3 x Ø 7 mm/0.28 in. (with siren) Other mounting possibilities with accessories	Mounting on support tube with fixing plate: 4 x Ø 6 mm/0.24 in. Direct mounting on horizontal support: 3 x Ø 5 mm/0.20 in.
<b>Type references</b>	XVC4	XVC6	XVC1	XVGU



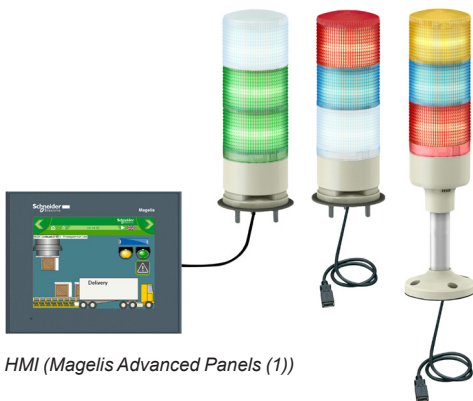


# Signaling Units

## Monolithic tower lights

### Harmony® type XVGU Ø 60

#### Multi-color USB tower lights



HMI (Magelis Advanced Panels (1))

### Presentation

The monolithic USB tower lights of the Harmony® XVGU range are designed to support HMI (Magelis™ Advanced Panels (1)). These new tower lights with multi-color LEDs are unique and simple-to-use as the states and patterns are directly set and modified in the HMI application.

The XVGU tower lights provide long distance indication of the operating status or sequences of a machine or installation, both visually by means of illuminated signaling units with 360° visibility, and audibly by means of a buzzer.

- The tower light comes with a pre-assembled USB cable for simple wiring and easy integration with the Magelis Advanced Panels (1) (2).
- The tower light settings are selected from the Set screen of the HMI application at the time of integration.
  - The multi-color LEDs on the three levels can be set to numerous color combinations (red, orange, green or blue) for sophisticated signaling.
  - The 2-tone buzzer volume and alarm type (4 pre-recorded types) can be set easily.
- The tower lights allow to optimize your equipment: many customized configurations can be made from a sole product.
- The range involves Ø 60 mm/2.36 in. products and is therefore ideal for use in many activity sectors (textiles, packaging, baggage handling). It is also ideal for use with metal tools, plastic extrusion machines and assembly lines. This range is only for indoor applications.

XVGU tower lights are supplied:

- with 3 multi-color LEDs and a clear lens,
- with a 2-tone buzzer,
- with pre-assembled USB cable for easy connection (2),
- with USB cable clamp for firm connection,
- fitted with one of the following mounting options:
  - direct base mounting (IP 42),
  - aluminium tube mounting and fixing plate (IP 42).

(1) Please refer to "USB tower lights compatible with Magelis Advanced Panels" table on page 9.

(2) For extension, use either the Schneider Electric USB cable (BMXXCAUSBH018) or a third-party USB Type A/mini B cable of maximum length 4 m/13.12 ft.

# Signaling Units

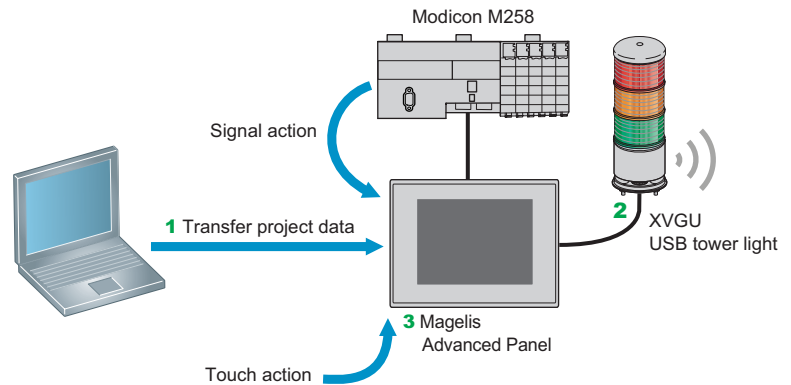
## Monolithic tower lights

### Harmony® type XVGU Ø 60

#### Multi-color USB tower lights

### Presentation (continued)

The following illustrates the integration of XVGU tower lights with the Magelis™ Advanced Panels (1).



- 1** The HMI application is created on a computer using the Vijeo designer HMI editor software (V6.1 Service pack 1 or higher). It is then downloaded to the Magelis Advanced Panel (1) via a USB cable for setting situation, color, and buzzer actions.
- 2** The tower light's pre-assembled USB cable is connected to the Magelis terminal for power supply and signal transmission (2).
- 3** The LED colors, flashing patterns, and buzzer tones are set and modified in the HMI Set screen.

### Illuminated signaling

The light source consists of three multi-color LEDs (red, orange, green or blue) completed with a clear lens to provide an aesthetic look and reliable signaling (clear lenses help to avoid color reflectance in bright environments). When LEDs are not powered, the tower lights appear translucent. The LED colors can be set to many possible combinations of Red, Orange, Green, and Blue.

### Audible signaling

The tower light is supplied with a 2-tone buzzer audible signaling unit, the volume of which can be adjusted up to 85 dB. This audible unit with 4 pre-recorded alarm types is located in the base of the tower light.

### Environment

The XVGU tower lights are CE certified and conform to EN 61000-6-2 and EN 61000-6-4 standards.

### Cabling

XVGU tower lights have pre-assembled USB cable with "Type A female" connector to attach to any standard USB mini B cable. A clamp is provided to prevent unintended removal or disconnection of the tower light from the Magelis Advanced Panel.

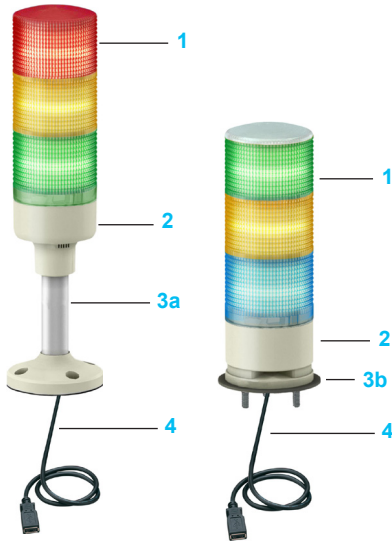
(1) Please refer to "USB tower lights compatible with Magelis Advanced Panels" table on page 9.  
 (2) For extension, use either the Schneider Electric USB cable (BMXXCAUSBH018) or a third-party USB Type A/mini B cable of maximum length 4 m/13.12 ft.

# Signaling Units

## Monolithic tower lights

### Harmony® type XVGU Ø 60

#### Multi-color USB tower lights



### Description

XVGU monolithic tower lights comprise an assembly of:

- 1 Three layers of multi-color illuminated signaling units (red, orange, green, or blue) which are set in the HMI application. Each XVGU tower light is equipped with multi-color LEDs and a clear lens molded from a single piece of clear plastic. The colors are visible only when the LEDs are supplied with power (5 V DC).
- 2 A base unit integrating the buzzer.
- 3 A fixing base for mounting on a horizontal support:
  - 3a a fixing base, comprising a 100 mm/3.94 in. aluminium support tube mounted on a fixing plate,
  - 3b a fixing base fitted with 3 screws for direct mounting.
- 4 A USB cable with "Type A female" connector, the projecting length being 300 mm/11.81 in. for tube mounting and 400 mm/15.75 in. for direct mounting models (1).

### Pre-assembled tower lights 5 V, Ø 60 mm/2.36 in.

Description	Light source (included)	Degree of protection	Signaling colors	Reference	Weight kg/lb
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#### With 100 mm/3.94 in. aluminium tube mounting and fixing plate

<b>Tower light with buzzer</b>	Multi-color LED for various states and patterns	IP 42	Red/Orange/ Green/Blue	<b>XVGU3SHAV</b>	0.300/0.661
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#### With direct base mounting

<b>Tower light with buzzer</b>	Multi-color LED for various states and patterns	IP 42	Red/Orange/ Green/Blue	<b>XVGU3SWV</b>	0.300/0.661
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### Accessories

Description	Utilization	Length m/ft	Reference	Weight kg/lb
Connection cable from PC to the terminal (USB Type A/mini B)	Cable for transferring screen data from a PC (USB Type A) to a HMI (USB Type mini B)	1.8/5.91	<b>BMXXCAUSBH018</b>	0.065/ 0.143

**Note:** Signaling colors correspond to a combination of 4 colors (Red, Orange, Green, and Blue) which can be set easily in the HMI application.

(1) For extension, use either the Schneider Electric USB cable (BMXXCAUSBH018) or a third-party USB Type A/mini B cable of maximum length 4 m/13.12 ft.

# Signaling Units

## Monolithic tower lights

### Harmony® type XVGU Ø 60

### Multi-color USB tower lights

#### USB tower lights compatible with Magelis™ Advanced Panels and HMI Controllers

Type of tower light 1	Type of Advanced Panels or HMI Controllers	Description	Reference 2 (1)		
XVGU3SWV XVGU3SHAV	Monochrome touch screen Standard Advanced Panels	Multifunction, 5.7" QVGA screen/Black and White/STN	XBTGT2120		
		Multifunction, 5.7" QVGA screen/Blue mode/STN	XBTGT2130		
	Color touch screen Standard Advanced Panels	Multifunction, 5.7" QVGA screen/STN	XBTGT2220		
		Multifunction, 5.7" QVGA screen/TFT	XBTGT2330		
		Multifunction, 5.7" VGA screen/TFT	XBTGT2430		
		Multifunction, 5.7" QVGA screen/High brightness TFT	XBTGT2930		
		Multifunction, 7.5" VGA screen/STN	XBTGT4230		
		Multifunction, 7.5" VGA screen/TFT	XBTGT4330		
		Multifunction, 7.5" VGA screen/TFT	XBTGT4340		
		Multifunction, 10.4" VGA screen/TFT	XBTGT5330		
		Multifunction, 10.4" VGA screen/TFT	XBTGT5340		
		Multifunction, 10.4" SVGA screen/TFT	XBTGT5430		
		Multifunction, 12.1" SVGA screen/TFT	XBTGT6330		
		Multifunction, 12.1" SVGA screen/TFT	XBTGT6340		
		Multifunction, 15" XGA screen/TFT	XBTGT7340		
		Keypad/touch screen Standard Advanced Panels		Multifunction, 5.7" screen/Black and white/STN	XBTGK2120
				Multifunction, 5.7" screen/Color/TFT	XBTGK2330
				Multifunction, 10.4" screen/Color/TFT	XBTGK5330
Junction box		Junction Box for XBTGH2 (without Fieldbus)	XBTZGJBOX		
Optimum Advanced Panels		3.5" QVGA screen/TFT	HMIGTO1300		
		3.5" QVGA screen/TFT	HMIGTO1310		
		5.7" QVGA screen/TFT	HMIGTO2300		
		5.7" QVGA screen/TFT	HMIGTO2310		
		5.7" QVGA screen/Stainless steel	HMIGTO2315		
		7.0" WVGA screen/TFT	HMIGTO3510		
		7.5" VGA screen/TFT	HMIGTO4310		
		10.4" VGA screen/TFT	HMIGTO5310		
		10.4" VGA screen/Stainless steel	HMIGTO5315		
		12.1" SVGA screen/TFT	HMIGTO6310		
HMI Controllers		3.5" screen QVGA color/TFT	HMISCU6A5		
		3.5" screen QVGA color/TFT	HMISCU6B5		
		5.7" screen QVGA color/TFT	HMISCU8A5		
		5.7" screen QVGA color/TFT	HMISCU8B5		
		5.7" screen/Color/STN	XBTGC2230U		
		5.7" screen/Color/STN	XBTGC2230T		



**Note:** For more information on Magelis Advanced Panels and HMI Controllers, please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com).

(1) The minimum required Vijeo designer software version is Vjd 6.1 Service pack 1.

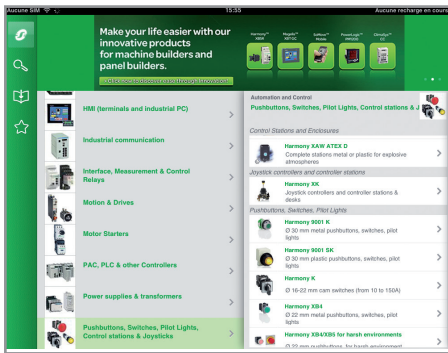
# Search, visualize, and download

Use your tablet or your PC to quickly access detailed and comprehensive information on our products

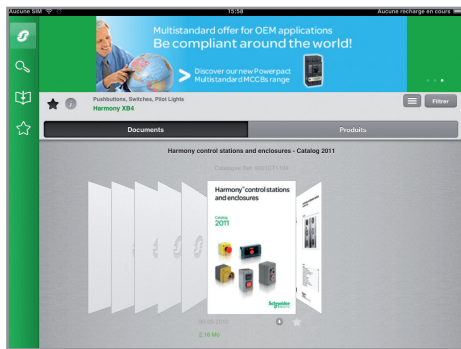


## Tablets

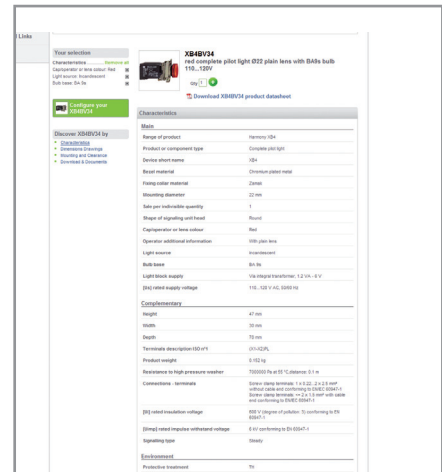
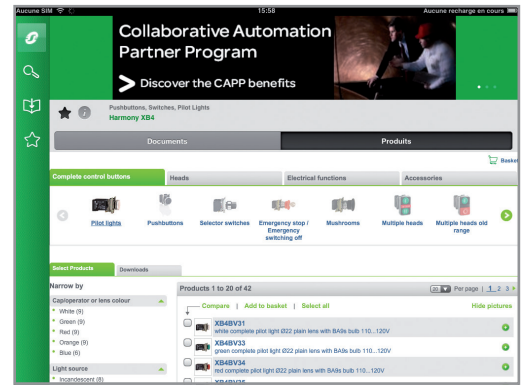
Application name: "Automation Library by Schneider Electric"



Product ranges displayed by function



Dynamic catalogs (hyperlinks, video, ...)



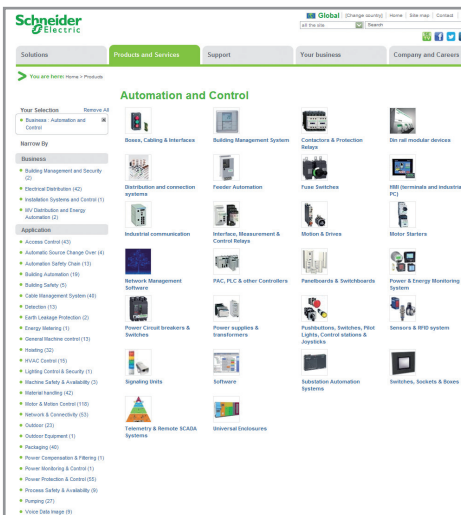
Product selector: dynamic filters to get easily your part number



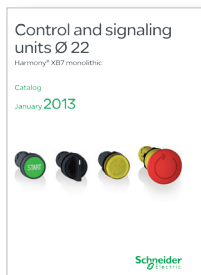
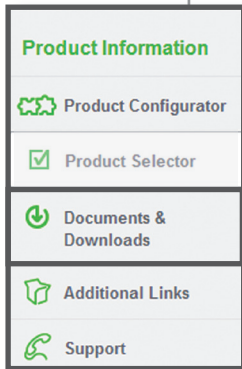
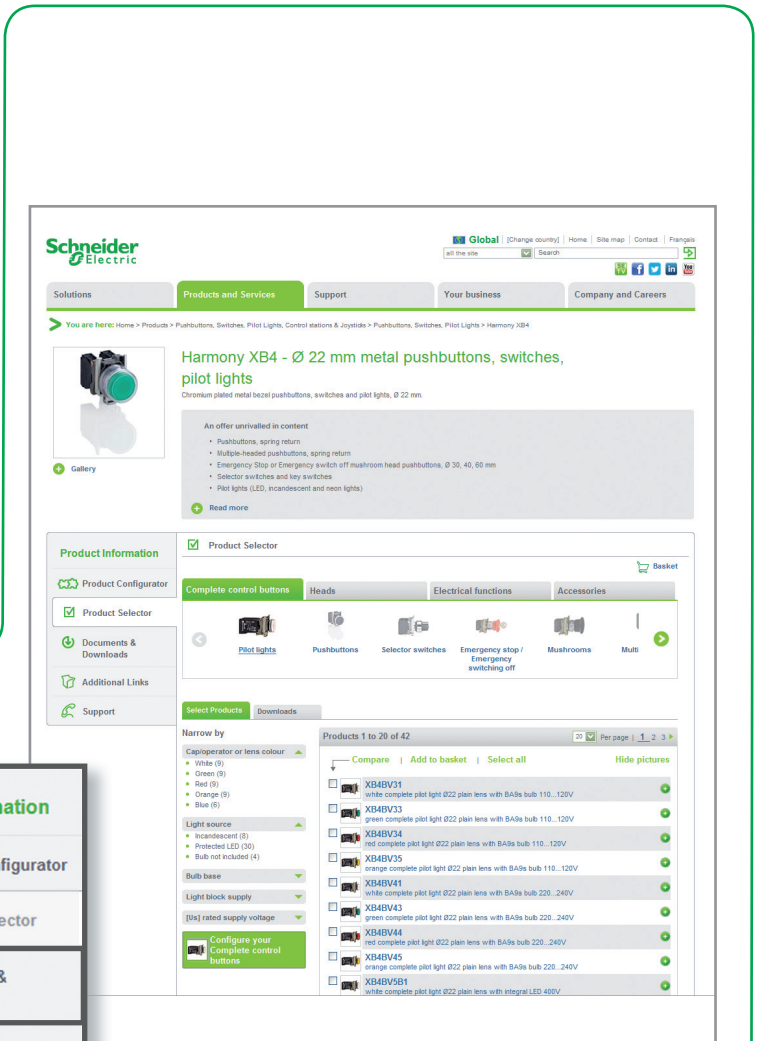


# Personal computer

Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > Product offer



**Product ranges displayed by function**



**Dynamic catalogs (hyperlinks, video, ...)**

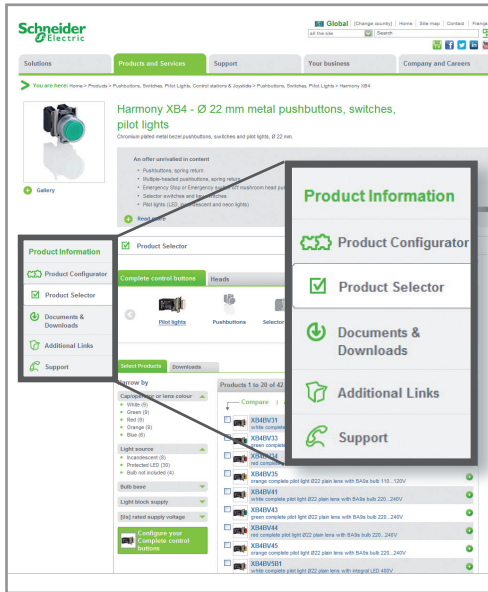
**Product selector: dynamic filters to get easily your part number**



# Access product references with adapted tools

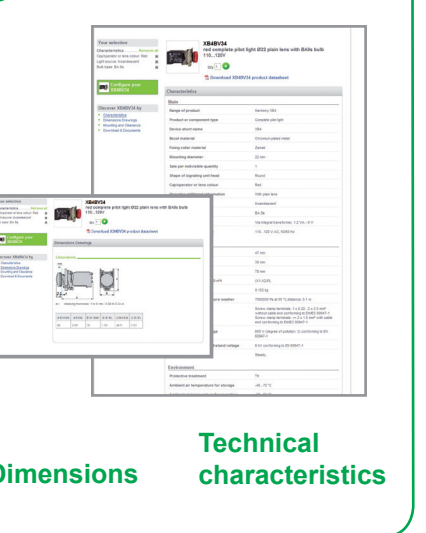
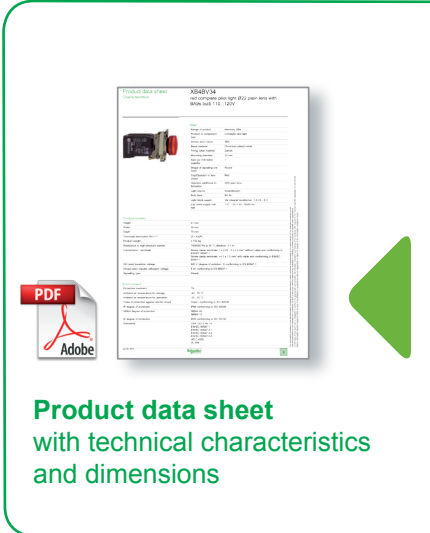
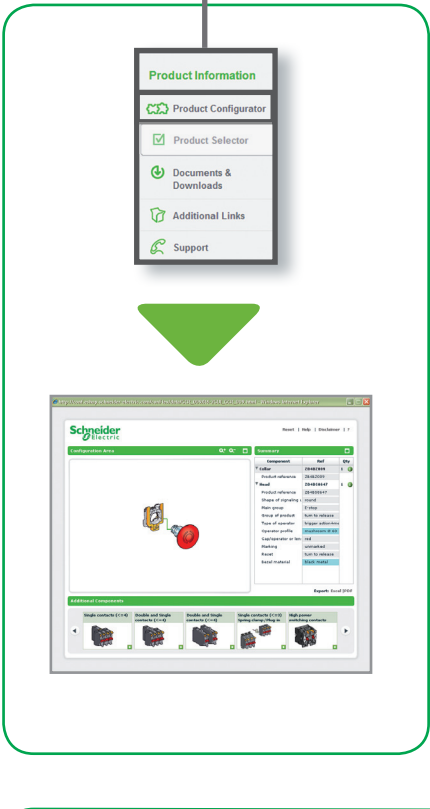


Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > ... > Product offer



**Graphic product configurator**  
Select the right product with just a few clicks

**Dynamic product selector**  
Visualize product characteristics and dimensions



**Product data sheet**  
with technical characteristics  
and dimensions

**Dimensions**

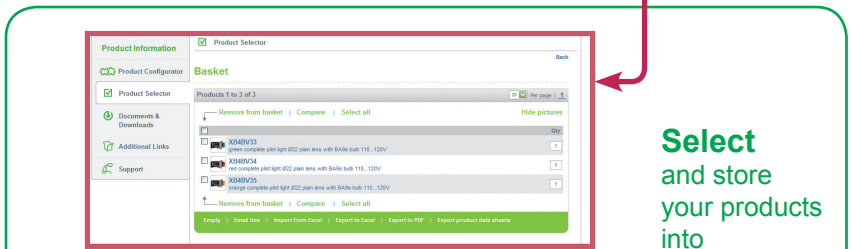
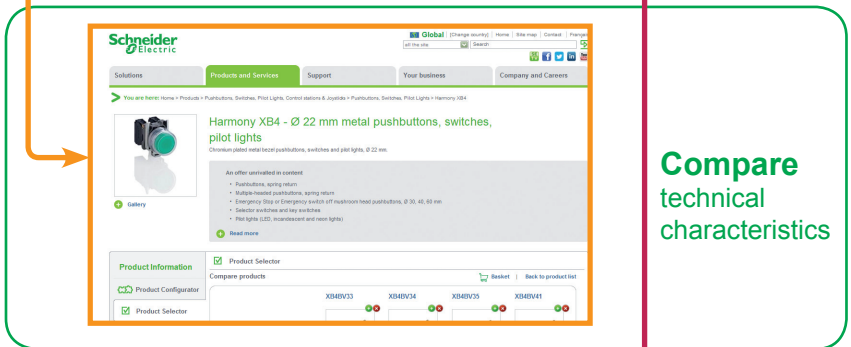
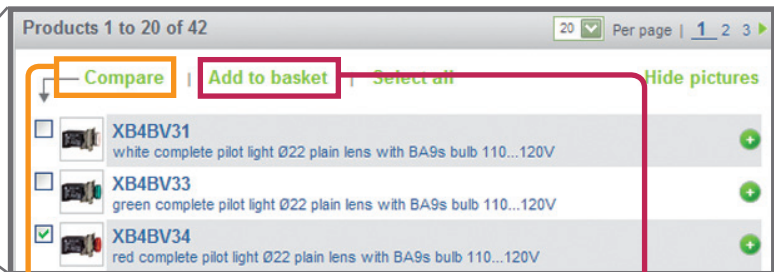
**Technical characteristics**



# Compare, select, and compile



Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > ... > Harmony XB4\*

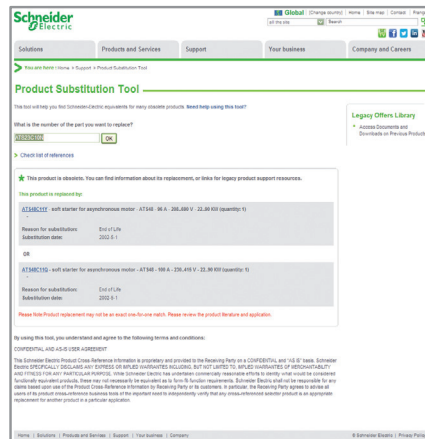
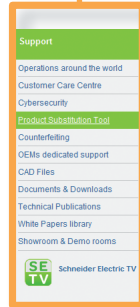
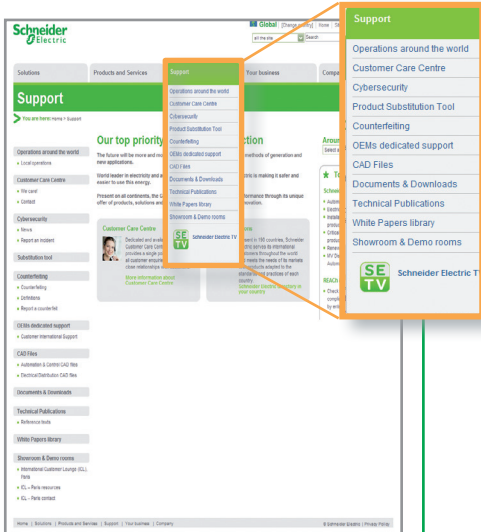


\* Example of research on a product

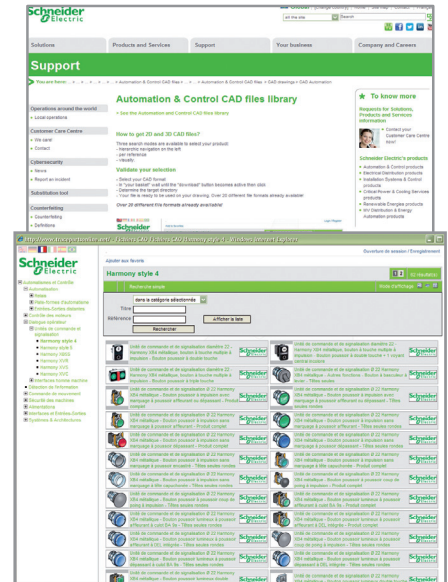
# Check the product status, design your equipment



Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Support** > Product Substitution Tool  
 Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Support** > CAD files



**Product status:**  
 indicate whether the product is still commercialized. Otherwise, the tool suggests a product substitution.



**CAD files:**  
 available in various formats they will be easily integrated into your installation design software.

Please note that references to products and services are just examples.

---

<b>B</b>	
BMXXCAUSBH018	8
<b>H</b>	
HMIGTO1300	9
HMIGTO1310	9
HMIGTO2300	9
HMIGTO2310	9
HMIGTO2315	9
HMIGTO3510	9
HMIGTO4310	9
HMIGTO5310	9
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HMISCU6A5	9
HMISCU6B5	9
HMISCU8A5	9
HMISCU8B5	9
<b>X</b>	
XBTGC2230T	9
XBTGC2230U	9
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XBTGT5430	9
XBTGT6330	9
XBTGT6340	9
XBTGT7340	9
XBTZGJBOX	9
XVGU3SHAV	8 9
XVGU3SWV	8 9



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