Signaling units Ø 60

Harmony® XVG monolithic tower lights

Catalog

November 2013

Schneider Electric

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Complete product ranges

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Harmony® XVG monolithic tower lights

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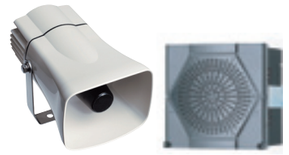
Signaling solutions
Harmony® type XV

Harmony® type XV		Monolithic tower lights		
Type of products		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
Diameter		Ø 25 mm/*0.98 in.*	Ø 45 mm/*1.75 in.*	Ø 60 mm/*2.36 in.*
Degree of protection conforming to IEC 60529		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)
Type of signalling	Steady	–	Yes	Yes
	Flashing	–	–	–
	“Flash”	–	Yes	–
	Sound	–	–	With buzzer
Light sources	Incandescent bulb	Yes	Yes	–
	LED bulb	–	–	–
	Integral LED	–	–	Yes
	“Flash” discharge tube	–	Yes	–
	Halogen bulb	–	–	–
Colors of illuminated units		□ Green □ Red □ Clear □ Yellow	□ Green □ Red □ Orange □ Blue □ Clear □ Yellow	□ Red □ Green □ Amber □ Blue
Connection		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.
Support panel drilling or cut-out		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 Ø5 mm/*0.20 in.* Direct aluminium tube mounting: Ø20/*0.79 in.* Aluminium tube mounting and “L” bracket: 2 x Ø9/*0.35 in.* Aluminium tube mounting and fixing plate: 4 x Ø6/*0.24 in.* Aluminium tube mounting and foldable bracket: 4 x Ø6/*0.24 in.*
Type references		**XV1CA**	**XVDLS**	**XVG**

Type of products		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
Diameter		Ø 40 mm/*1.57 in.*	Ø 60 mm/*2.36 in.*	Ø 100 mm/*3.94 in.*	Ø 60 mm/*2.36 in.*
Degree of protection conforming to IEC 60529		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
Type of signalling	Steady	Yes	Yes	Yes	Yes
	Flashing	Yes	Yes	Yes	Yes
	“Flash”	–	–	–	–
	Sound	With buzzer	With buzzer	With siren or buzzer	With buzzer (volume control and alarm type can be set with HMI)
Light sources	Incandescent bulb	–	–	–	–
	LED bulb	–	–	–	–
	Integral LED	Yes	Yes	Yes	Yes
	“Flash” discharge tube	–	–	–	–
	Halogen bulb	–	–	–	–
Colors of illuminated units		□ Red □ Orange □ Green □ Blue □ Clear	□ Red □ Orange □ Green □ Blue □ Clear	□ Red □ Orange □ Green □ Blue □ Clear	Mutli-color LEDs (many possible combinations can be set with HMI) □ Red □ Orange □ Green □ Blue
Connection		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
Support panel drilling or cut-out		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.*
Type references		**XVC4**	**XVC6**	**XVC1**	**XVGU**

Signaling solutions
Harmony® type XV

Harmony® type XV		Modular tower lights	
Type of products		Pre-assembled/pre-cabled tower lights Variable composition tower lights for customer assembly of up to 5 units	Tower lights for customer assembly of up to 5 units.
Diameter		Ø 45 mm/*1.77 in.*	Ø 60 mm/*2.36 in.*
Degree of protection conforming to IEC 60529		IP 54 in vertical position (XVM with plastic fixing plate) IP 42 in horizontal position (XVM with metal bracket) IP 40 in other positions (all types of XVM tower lights)	IP 65 for illuminated units IP 54 for audible units IP 55 for flexible mounting option
Type of signalling	Steady	Yes	Yes
	Flashing	Yes	Yes
	“Flash”	Yes	Yes
	Sound	Yes	Yes
Light sources	Incandescent bulb	Yes	–
	LED bulb	Yes	–
	Integral LED	–	Yes
	“Flash” discharge tube	Yes	–
	Halogen bulb	–	–
Colors of illuminated units		□ Red □ Green □ Orange □ Blue □ Clear	□ Green □ Red □ Orange □ Blue □ White □ Yellow (only for multi-color unit with above colors)
Connection		Flying leads, length 300 mm/*11.81 in.* or screw terminals	Spring cage connection terminals
Support panel drilling or cut-out		Mounting on bracket: 2 x Ø 9 mm /*0.35 in.* Mounting on support tube: 4 x Ø 5.5 mm/*0.22 in.* or M5	Mounting on support tube and adjustable support tube: 4 x Ø 6 mm/*0.24 in.* Direct mounting and Flexible wall mounting: 3 x Ø 5 mm/*0.196 in.*
Type references		**XVM**	**XVU**

	Rotating beacons	Sound solutions
		
Illuminated beacons Variable composition tower lights for customer assembly of up to 5 units	Pre-cabled rotating beacons	Sirens and electronic alarms
Ø 70 mm/*2.76 in.*	Ø 84 mm/*3.31 in.* to Ø 130 mm/*5.12 in.*	–
IP 65 (mounted on fixing base XVBZ0●) IP 66 (mounted on base unit)	Ø 84 mm/*3.31 in.* and Ø 106 mm/*4.17 in.*: IP 23 (IP 65 with accessory) Ø 120 mm/*4.72 in.*: IP 23 Ø 130 mm/*5.12 in.*: IP 66 and IP 67 (depending on voltage)	IP 53 (sirens) IP 54 (electronic alarms)
Yes	Yes	–
Yes	–	–
Yes	–	–
Yes	Yes	Yes
Yes	–	–
“PROTECTED LED”	“Super Bright”	–
“PROTECTED LED”	–	–
Yes	–	–
–	Yes	–
□ Green □ Red □ Orange □ Blue □ Clear □ Yellow	□ Red □ Orange □ Green □ Blue	–
Screw clamp terminals	Flying leads, length 400 mm/*15.75 in.*(except XVR08: 500 mm/*19.68 in.*)	Screw clamp terminals (except XVS14: flying leads, length 500 mm/*19.68 in.*)
Mounting on support tube: 4 x Ø 5.5 mm/*0.22 in.* or M5 Vertical mounting: 3 x Ø 5 mm/*0.20 in.* or M5 Direct mounting: 2 x Ø 4.5 mm/*0.18 in.* or M4	Depending on model: - XVR08 (Ø 84 mm/*3.31 in.*): 3 x Ø 5 mm/*0.20 in.* - XVR10 (Ø 106 mm/*5.12 in.*): 3 x Ø 5 mm/*0.20 in.* - XVR12 (Ø 120 mm/*4.72 in.*): 3 x Ø 6 mm/*0.24 in.* - XVR13●●●L (Ø 130 mm/*5.12 in.*): 3 x Ø 7 mm/0.28 in.	3 x Ø 6.5 mm/*0.25 in.*
XVBL, XVBC	**XVR**	**XVS**

Signaling solutions
Monolithic tower lights
Harmony type XVG Ø 60
Pre-assembled and pre-cabled tower lights

Presentation

The monolithic tower lights in the Harmony XVG range are designed for long distance indication of the operating status or sequences of a machine or installation, either visually by means of illuminated signaling units visible through 360°, or audibly by means of a buzzer.

■ The range involves Ø 60 mm products and is therefore ideal for use in many activity sectors, including metal tools, plastic extrusion machines, SMT, textiles, packaging, baggage handling and assembly lines. This range is only for indoor applications.

■ XVG tower lights are supplied:
□ with 2, 3 or 4 illuminated signaling units, colored LEDs and clear lenses *(1)*,
□ with or without a buzzer,
□ pre-assembled and pre-cabled,
□ fitted with one of the following mounting options:
- base mounting (IP 53 and IP 42),
- direct aluminium tube mounting (IP 23),
- aluminium tube mounting and “L” bracket (IP 23),
- aluminium tube mounting and fixing plate (IP 53 and IP 42),
- aluminium tube mounting and foldable bracket (IP 40).

Illuminated signaling

The light source consists of colored LEDs completed with a clear lense to provide aesthetics 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 colors are always placed in the standard industry order, from top to bottom.

Audible signaling

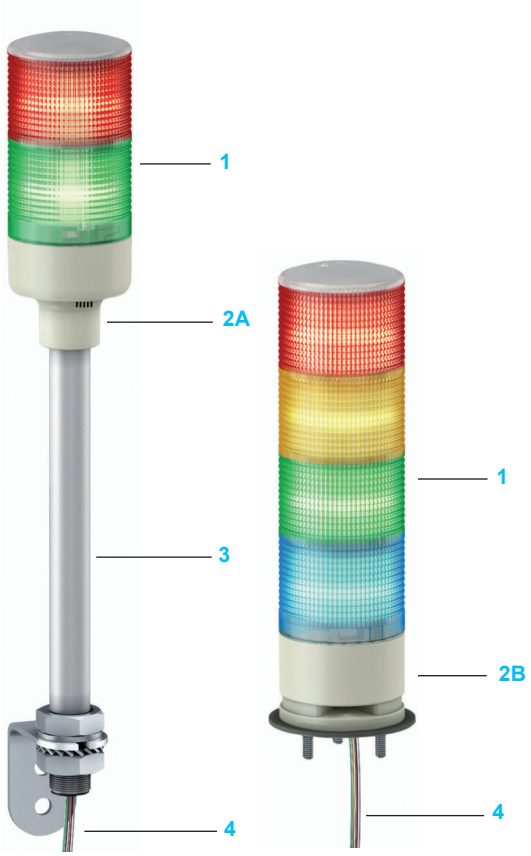
The tower light is supplied with or without an audible signaling unit (buzzer with continuous signal) depending on the required configuration. This audible unit is located in the base of the tower light.

Environment

The XVG tower lights are CE certified.

Cabling

XVG tower lights supplied pre-assembled are equipped with wires marked with a label indicating the correct way to connect. Each level is marked by a different colored wire.
XVG tower lights that have been pre-assembled and pre-cabled at the factory cannot be modified because the wires are permanently connected (soldered).



Description

XVG monolithic tower lights are comprised of:

1 Two, three or four colored illuminated signaling units (Red, Amber, Green or Blue). Each XVG tower light is equipped with colored LEDs and a clear lens molded from a single piece of clear plastic. The colors are only visible when the LEDs are supplied (voltage: 24 V AC/DC) *(1)*.

2 A base mounted on the support tube **2A** or a base fitted with 3 screws **2B** for direct mounting on a horizontal surface (depending on the model).

3 An aluminium support tube completed with a fixing plate or a foldable bracket (for mounting on a horizontal support) or with an L-bracket (for mounting on a vertical support).

4 Marked wires, with projecting length of 500 to 560 mm for all tower lights with tube mounting (depending on the model) and 900 mm for base mounting model.

(1) Tower lights on this page are shown with LEDs on.

Signaling solutions
Monolithic tower lights
Harmony type XVG Ø 60
Pre-assembled and pre-cabled tower lights

Pre-assembled and pre-cabled tower lights ⎓ 24 V, Ø 60 mm

Description	Light source (included)	Degree of protection	Signaling colors *(1)*	Reference	Weight kg
With base mounting					
Without buzzer	LED for steady light	IP 53	Red, Green	**XVGB2W**	0.200
			Red, Amber, Green	**XVGB3W**	0.240
			Red, Amber, Green, Blue	**XVGB4W**	0.280
With buzzer	LED for steady light	IP 42	Red, Green	**XVGB2SW**	0.210
			Red, Amber, Green	**XVGB3SW**	0.250
			Red, Amber, Green, Blue	**XVGB4SW**	0.290
With direct aluminium tube mounting					
Without buzzer	LED for steady light	IP 23	Red, Green	**XVGB2T**	0.350
			Red, Amber, Green	**XVGB3T**	0.390
			Red, Amber, Green, Blue	**XVGB4T**	0.430
With buzzer	LED for steady light	IP 23	Red, Green	**XVGB2ST**	0.360
			Red, Amber, Green	**XVGB3ST**	0.400
			Red, Amber, Green, Blue	**XVGB4ST**	0.440
With aluminium tube mounting and L-bracket					
Without buzzer	LED for steady light	IP 23	Red, Green	**XVGB2**	0.420
			Red, Amber, Green	**XVGB3**	0.460
			Red, Amber, Green, Blue	**XVGB4**	0.500
With buzzer	LED for steady light	IP 23	Red, Green	**XVGB2S**	0.430
			Red, Amber, Green	**XVGB3S**	0.470
			Red, Amber, Green, Blue	**XVGB4S**	0.510
With aluminium tube mounting and fixing plate					
Without buzzer	LED for steady light	IP 53	Red, Green	**XVGB2H**	0.320
			Red, Amber, Green	**XVGB3H**	0.360
			Red, Amber, Green, Blue	**XVGB4H**	0.400
With buzzer	LED for steady light	IP 42	Red, Green	**XVGB2SH**	0.330
			Red, Amber, Green	**XVGB3SH**	0.370
			Red, Amber, Green, Blue	**XVGB4SH**	0.410
With aluminium tube mounting and foldable bracket					
Without buzzer	LED for steady light	IP 40	Red, Green	**XVGB2M**	0.360
			Red, Amber, Green	**XVGB3M**	0.400
			Red, Amber, Green, Blue	**XVGB4M**	0.440
With buzzer	LED for steady light	IP 40	Red, Green	**XVGB2SM**	0.370
			Red, Amber, Green	**XVGB3SM**	0.410
			Red, Amber, Green, Blue	**XVGB4SM**	0.450

Accessories

Description	For use with	Reference	Weight kg
Folding mounting bracket for support tube mounting	XVGB●H, XVGB●SH	**XVGZ02**	0.090
Wall mounting bracket	XVGB●T, XVGB●ST	**XVMZ02W**	0.130

(1) The colors are listed in the same order as the mounting order of the illuminated units (from top to bottom).

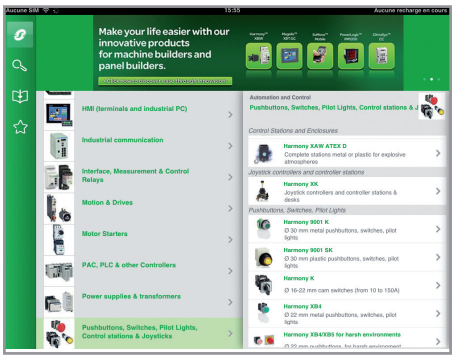
Other versions Tower lights with other diameters (ranging from 40 mm to 100 mm) are available in other ranges. For more information, please refer to our website www.schneider-electric.com.

Search, visualize, and download

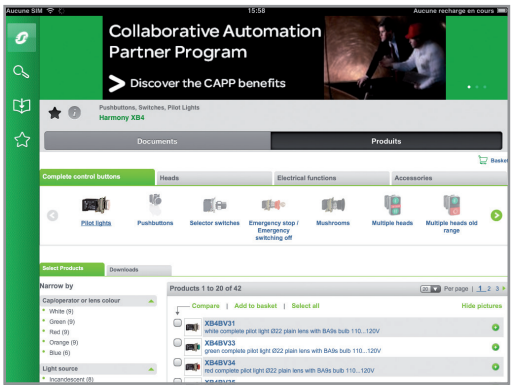
Use your tablet or your PC to quickly access detailed and comprehensive information on our products

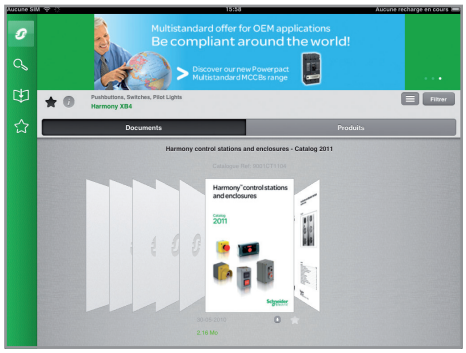
Tablets

Application name: “Automation Library by Schneider Electric”



Product ranges
displayed by function



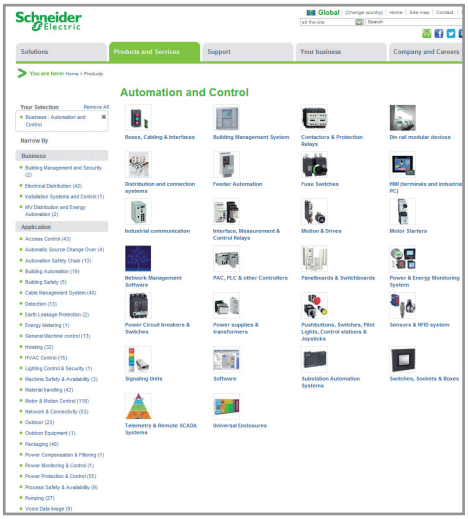


Dynamic catalogs
(hyperlinks, video, ...)

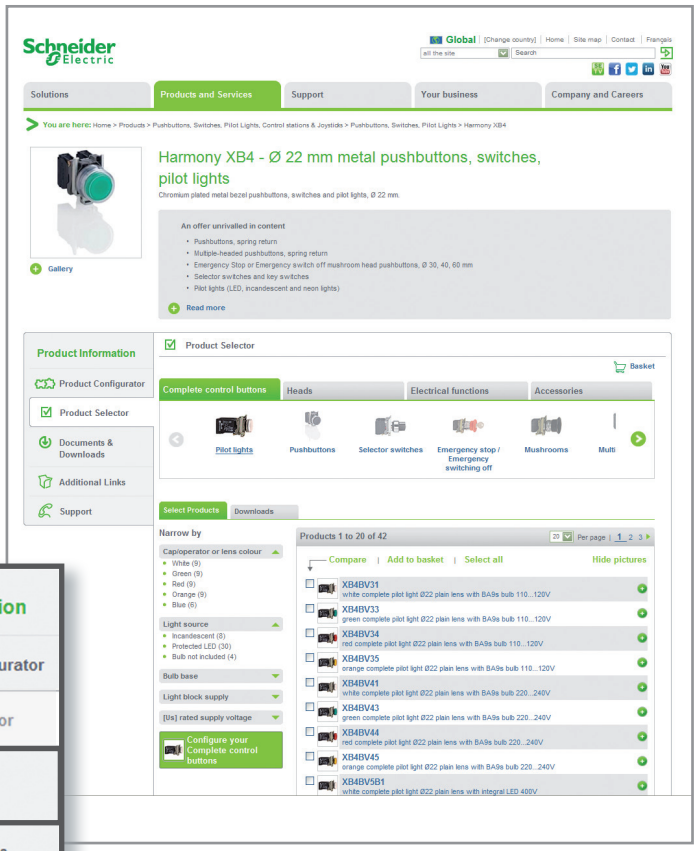
Product selector: dynamic filters to get easily your part number

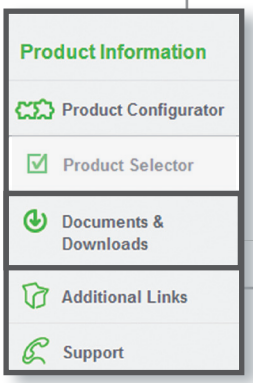
Personal computer

Path: www.schneider-electric.com > **Products and Services** > Automation and control > Product offer



Product ranges
displayed by function



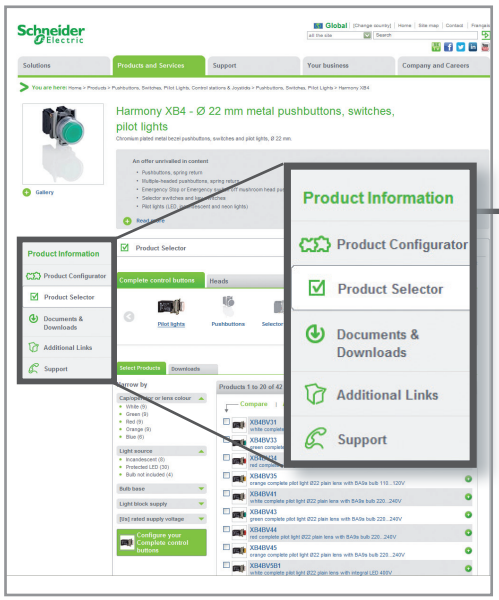


Dynamic catalogs
(hyperlinks, video, ...)

Product selector: dynamic filters to get easily your part number

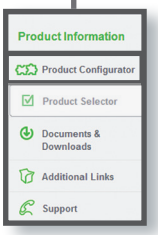
Access product references with adapted tools

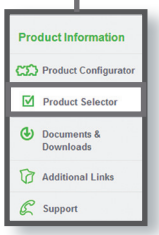
Path: www.schneider-electric.com > **Products and Services** > Automation and control > ... > Product offer

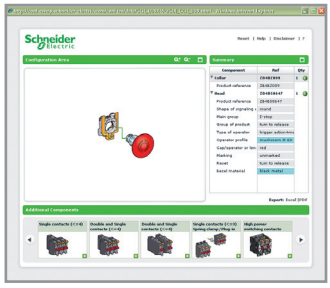


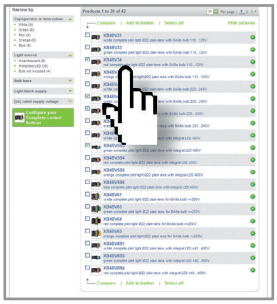
Graphic product configurator
Select the right product with just a few clicks

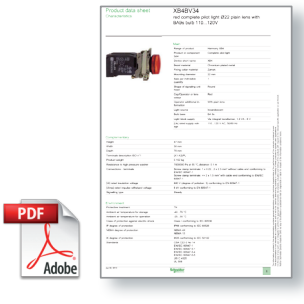
Dynamic product selector
Visualize product characteristics and dimensions









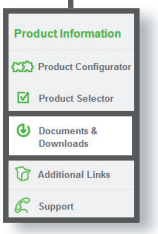


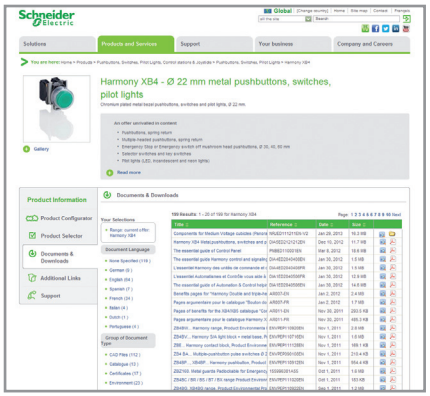
Product data sheet
with technical characteristics and dimensions

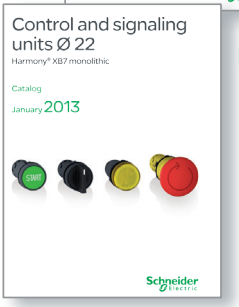
Dimensions

Technical characteristics

Documents and downloads
Visualize and download catalogs, technical publications, certificates, etc.

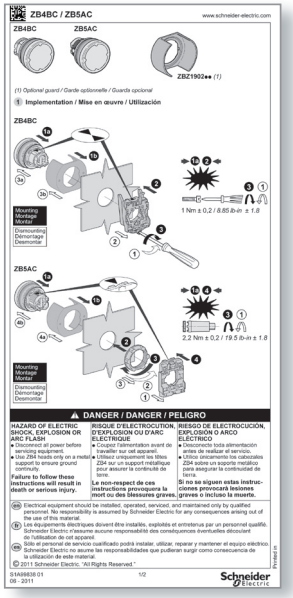






Essential guides

Certificates

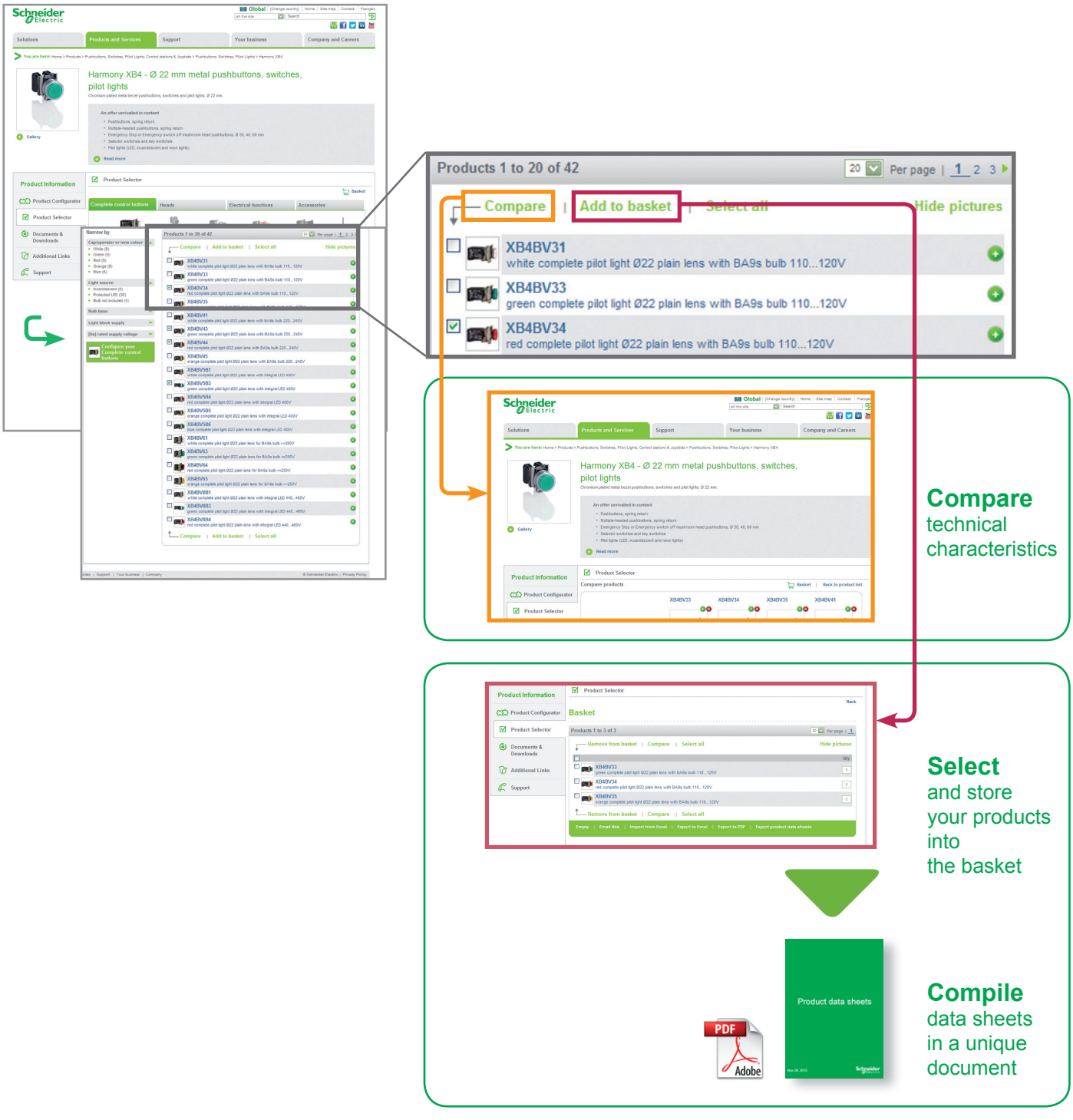


Technical publications

Dynamic catalogs

Compare, select, and compile

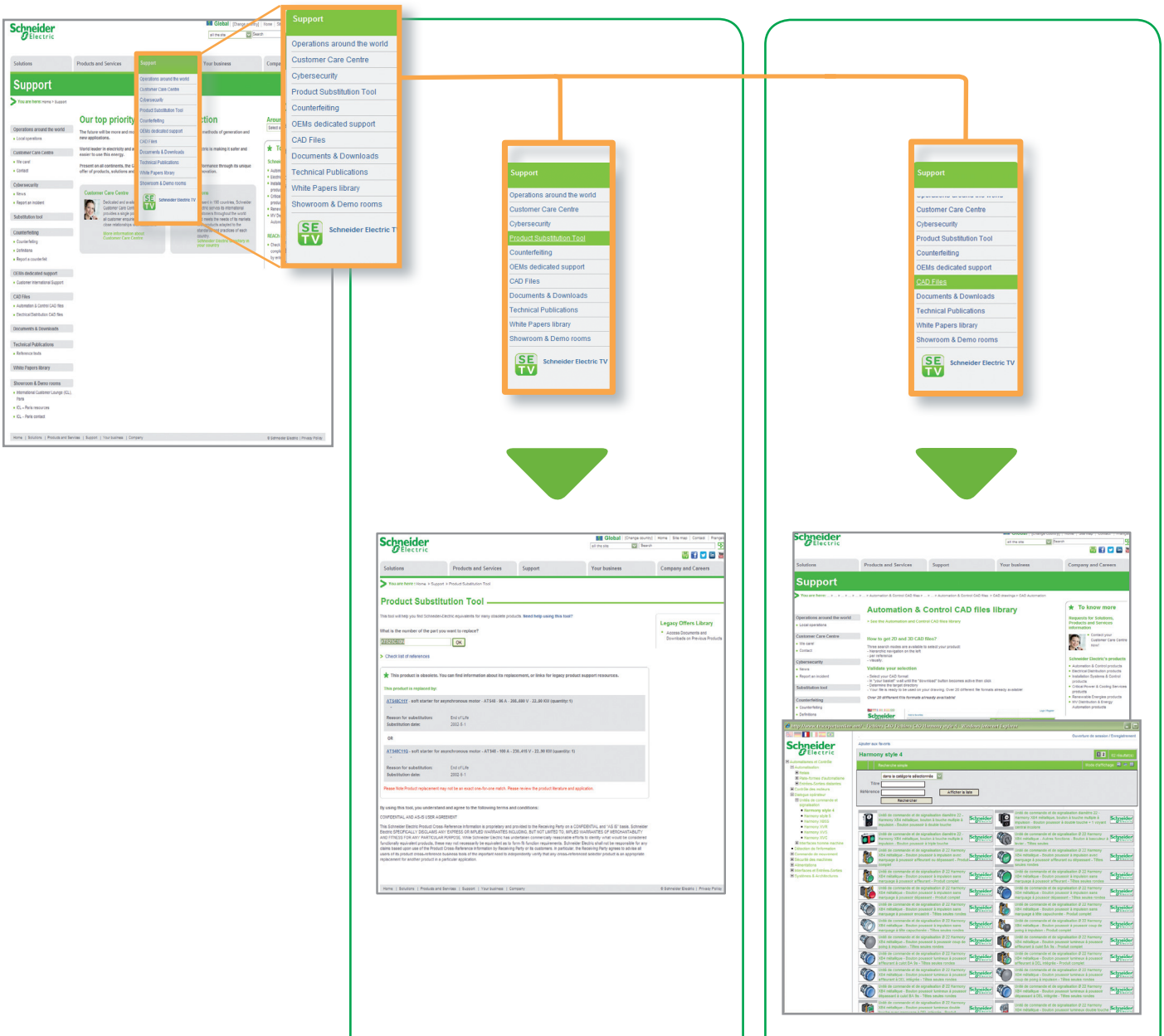
Path: www.schneider-electric.com > **Products and Services** > Automation and control > ... > Harmony XB4*



* Example of research on a product

Check the product status, design your equipment

Path: www.schneider-electric.com > **Support** > Product Substitution Tool
Path: 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.

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XVGB3W	7
XVGB4	7
XVGB4H	7
XVGB4M	7
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XVGB4SH	7
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XVGB4ST	7
XVGB4SW	7
XVGB4T	7
XVGB4W	7
XVGZ02	7
XVMZ02W	7

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