

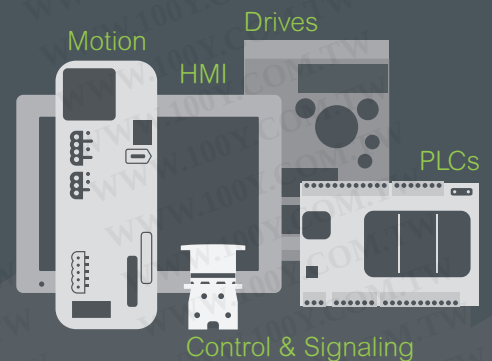
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Introducing the **Easy Series**

Essential automation & control products

When just enough is just right!



Easy Harmony XA2

Control and signaling

Ø 22 mm, plastic pushbuttons, switches and pilot lights

Quick access to product information

Get technical information about your product



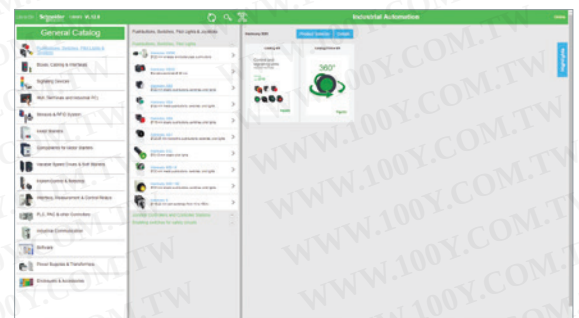
Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

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Easy Harmony™ XA2

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Easy Harmony XA2:

- modular, plastic pushbuttons and switches with metallic-look ring,
- complete, plastic pilot lights with integral LED

Fit for purpose

All the products composing the Easy Harmony range have been designed to be used in numerous control and signaling applications:

- > customers can easily select the key functions for standard applications
- > their diameter, Ø 22 mm / 0.866 in. makes them suitable for standard OEM and panel builder applications.
- > with plastic material, they provide a solution for industrial applications demanding a high resistance to chemical agents.

Ease and comfort of choice

The range is available in the form of complete units. It involves:

- > modular, plastic pushbuttons and switches with metallic-look ring
The modular design allows flexible and simple setup for complete products: the right product can be chosen among various types of heads and 2 types of functions are proposed (contact and signaling)
- > complete pilot lights, provided with integral LED.

All products are fitted with screw clamp terminals allowing fast and easy connection.

Contact functions

- Pushbuttons with spring return and push-push (marked or unmarked)
- Selector switches and key switches, 2 or 3 positions
- Emergency switching off pushbuttons with push-pull and turn to release



Contact and signaling functions

- Illuminated pushbuttons with integral LED, spring return and flush push



Signaling functions

- Pilot lights with integral LED



Groomed ergonomics

- > Metallic-look ring on pushbuttons and switches gives a modern look
- > Ergonomic curve on the selector switches allows flexible operation



Metallic-look ring



Ergonomic curve

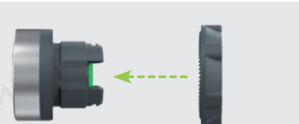


Pushbuttons and switches with metallic-look ring design

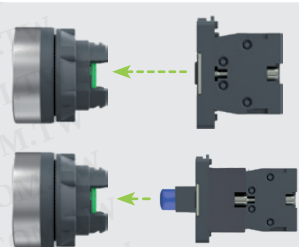
Easy installation

- > Installation of pushbuttons is simple and easy
- > Mounting by single nut to the control panel
- > Anti-rotation plate prevents the pushbutton head from rotation

- Single lock ring for mounting on control panel



- Clip-together component system for head, body, contacts, and LED light blocks



Proven robustness

- > Conforming to most demanding international standards and approvals
- > Tested and certified performance
- > Excellent resistance to mechanical shock and vibration
- > Supports extended temperature range from – 40° C to + 70° C



Helps customer to
improve the reliability

Service and availability

- > Supported by the service of Schneider Electric
- > Wide availability throughout an extensive distribution network

Control and signaling units Ø 22
Easy Harmony XA2, plastic
Pushbuttons, switches and pilot lights

Type of products		Contact functions		
		Pushbuttons	Emergency switching off pushbuttons	Selector and key switches
				
Description of range		<div>■ Pushbuttons, spring return: flush push, mushroom head, and push-push</div> <div>■ Emergency switching off pushbuttons: turn to release and push-pull</div> <div>■ Selector switches, 2 or 3-position: standard or long handle</div> <div>■ Key switches</div>		
Features	Products	Complete units		
	Shape of head	Circular		
Drilling or cut-out for mounting		Ø 22 mm/0.866 in.		
Degree of protection		IP 65 conforming to standard IEC 60529		
International standards		IEC 60947-5-1, EN 60947-5-1, GB/T 14048.1-93, GB/14048.5-93		
Product certification		CCC, EAC, CE		
Cabling		Screw clamp terminal connections		
Mounting	Panel thickness	Ø 1 to 6 mm/ 0.04 to 0.24 in.		
	Type references	XA2EA●●/EA●●●●/EC●●/XA2ER●●/EH0●●	XA2ET●●/ES●●●	XA2ED●●/EJ●●/EG●●
Pages		9	10	11

Contact and signaling functions		Signaling functions	
Illuminated pushbuttons		Pilot lights	
			
		<div>■ Illuminated pushbuttons with integral LED, spring return: flush push</div> <div>■ Pilot lights with integral LED</div>	
Complete units			
Circular			
Ø 22 mm/0.866 in.			
IP 65 conforming to standard IEC 60529		IP 40 conforming to standard IEC 60529	
IEC 60947-5-1, EN 60947-5-1, GB/T 14048.1-93, GB/14048.5-93			
CCC, EAC, CE			
Screw clamp terminal connections			
Ø 1 to 6 mm/0.04 to 0.24 in.			
XA2EW3●●●		XA2EV●●●LC, XA2EV●D●LC	
12		13	



Control and signaling units Ø 22

Easy Harmony XA2, plastic

Pushbuttons, switches and pilot lights

Presentation

The Easy Harmony XA2 range of Ø 22/0.866 in. plastic control and signaling units combines simplicity of installation, flexibility and robustness. It meets the requirements of the majority of industrial applications. The metallic-look ring design on the pushbuttons and switches gives them a modern look. These products are available in the form of complete units.

■ This range includes:

- Pushbuttons, selector/key switches, Emergency switching off pushbuttons for Start/Stop control of machines and installations, adjustment, and parametering (contact functions),
- Illuminated pushbuttons for control and signaling (contact functions and signaling functions),
- Pilot lights (signaling functions).

■ The pushbutton, switch (illuminated and non-illuminated) and pilot light control offer comprises:

- Flush, spring return marked and unmarked pushbuttons, mushroom head spring return pushbuttons,
- Illuminated pushbuttons, spring return, with integral LED,
- Ø 40/1.575 in., Ø 30/1.181 in., and Ø 60/2.362 in. Emergency switching off pushbuttons,
- Selector switches with standard and long handle,
- Key switches,
- Pilot lights with integral LED,
- Various accessories.

Installation

■ Easy Harmony XA2 products are both simple and quick to install:

- Mounting by a single nut to the control panel,
- Body/fixing collar simply clip on the head,
- Anti-loosening system for screw clamp terminals of contact blocks.

■ Type of connection:

- screw clamp terminals.

Environment

The performance features of the Easy Harmony XA2 range meets the following specifications:

■ Degrees of protection conforming to standard IEC 60529:

- IP 65 for pushbuttons, Emergency switching off pushbuttons, illuminated pushbuttons
- IP 54 for key select switch
- IP 40 for pilot lights

■ International standards:

- IEC 60947-5-1, EN 60947-5-1, GB/T 14048.1-93, GB/14048.5-93

■ Product certification:

- CCC, EAC, CE

For more technical information, please refer to our website www.schneider-electric.com.

Control and signaling units Ø 22

Easy Harmony XA2, plastic

Pushbuttons, switches and pilot lights: complete units

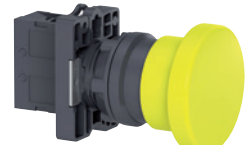
Description

The Ø 22/0.866 in. range of control and signaling units comprises complete units

Functions

Contact functions

Pushbuttons, spring return



Type of push	Flush push, unmarked	Flush push, marked	Mushroom head
Degree of protection	IP 65	IP 65	IP 65
Color	White, Black, Green, Yellow, Blue, and Red	Green, Black, White, and Red	Black, Green, Red, and Yellow
Reference	XA2EA●1/EA42	XA2EA33●1/EA43●2	XA2EC●1/EC42/ER21
Pages	9		

Pushbuttons, push-push



Type of push	Push-push
Degree of protection	IP 65
Color	White, Black, Green, Yellow, Blue, and Red
Reference	XA2EH0●1/EH042
Pages	10

Emergency switching off pushbuttons



Type of push	Turn to release and push-pull (Ø 30 mm/1.181 in., Ø 40 mm/1.575 in., Ø 60 mm/1.362 in.)
Degree of protection	IP 65
Color	Red and Black
Reference	XA2ET42/ES●42/ES422
Pages	10

Functions (continued)

Contact functions (continued)

Selector or key switches, 2 or 3-position



Type of push	Standard handle	Long handle	Key
Degree of protection	IP 65	IP 65	IP 54
Reference	XA2ED●●	XA2EJ●●	XA2EG21/EG●3
Page	11		

Combined functions: contact and signaling

Illuminated pushbuttons, spring return



Type of push	Flush push
Degree of protection	IP 65
LED	Integral LEDs, 24, 220-230 or 380-400 V
Color	White, Green, Red, Yellow, and Blue
Reference	XA2EW3●B1/3●M1/ 3●Q1
Pages	12

Signaling functions

Pilot lights



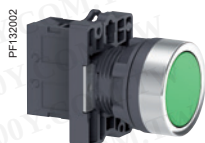
Degree of protection	IP 40
LED	Integral LEDs, 24, 110, 220-230 or 380-400 V
Color	White, Green, Red, Orange, Blue, and Yellow
Reference	XA2EV●●LC/EV●D●LC
Pages	13

Control and signaling units Ø 22

Easy Harmony XA2, plastic

Spring return pushbuttons, marked and unmarked

Mushroom head pushbuttons, spring return



XA2EA31



XA2EA4342



XA2EC51

Spring return pushbuttons with flush push

Shape of head	Type of contacts		Color of push	Marking	Reference	Weight kg/lb
	N/O	N/C				
Unmarked						
	1	–	White	–	XA2EA11	0.032/0.071
			Black	–	XA2EA21	0.032/0.071
			Green	–	XA2EA31	0.032/0.071
			Yellow	–	XA2EA51	0.032/0.071
			Blue	–	XA2EA61	0.032/0.071
	–	1	Red	–	XA2EA42	0.032/0.071
Marked						
	1	–	Green	"I"	XA2EA3311	0.032/0.071
	1	–	Black	"↑"	XA2EA3351	0.032/0.071
	1	–	White	"↑"	XA2EA3341	0.032/0.071
	–	1	Red	"O"	XA2EA4322	0.032/0.071
	–	1	Red	"STOP"	XA2EA4342	0.032/0.071

Mushroom head pushbuttons, spring return

Shape of head	Type of contacts		Color of push	Diameter Ø (mm)/in.	Reference	Weight kg/lb
	N/O	N/C				
	1	–	Black	40/1.575	XA2EC21	0.052/0.115
	1	–	Green	40/1.575	XA2EC31	0.052/0.115
	–	1	Red	40/1.575	XA2EC42	0.052/0.115
	1	–	Yellow	40/1.575	XA2EC51	0.052/0.115
	1	–	Black	60/2.362	XA2ER21	0.058/0.128

Note: Please refer to our website www.schneider-electric.com for information on dimensions

Control and signaling units Ø 22

Easy Harmony XA2, plastic

Pushbuttons, push-push

Emergency switching off pushbuttons



Pushbuttons, push-push with flush push					
Shape of head	Type of contacts	Color of push	Reference	Weight kg/lb	
	 N/O  N/C				
	1 —	White	XA2EH011	0.04/0.088	
	1 —	Black	XA2EH021	0.04/0.088	
	1 —	Green	XA2EH031	0.04/0.088	
	— 1	Red	XA2EH042	0.04/0.088	
	1 —	Yellow	XA2EH051	0.04/0.088	
	1 —	Blue	XA2EH061	0.04/0.088	



Emergency switching off pushbuttons						
Shape of head	Type of push	Type of contacts	Color	Diameter Ø (mm)/in.	Reference	Weight kg/lb
		 N/C				
	Push-pull	1	Red	40/1.575	XA2ET42	0.088/0.194
	Turn to release	1	Red	30/1.181	XA2ES442	0.056/0.123
			Red	40/1.575	XA2ES542	0.058/0.128
			Red	60/2.362	XA2ES642	0.064/0.141
			Black	30/1.181	XA2ES422	0.056/0.123

Note: Please refer to our website www.schneider-electric.com for information on dimensions

Control and signaling units Ø 22

Easy Harmony XA2, plastic

Selector switches, with standard or long handle

Key switches



XA2ED53

Selector switches, with standard handle or with long handle					
Shape of head	Type of push	Type of contacts	Number and type of positions	Reference	Weight kg/lb
	Standard handle	 N/O	 N/C		
		1	—	2 - stay put	XA2ED21 0.04/0.088
		1	1	2 - stay put	XA2ED25 0.054/0.119
		2	—	3 - stay put	XA2ED33 0.054/0.119
		2	—	3 - spring return from 2 sides	XA2ED53 0.054/0.119
		1	—	2 - spring return	XA2ED41 0.041/0.090
	Long handle	1	—	2 - stay put	XA2EJ21 0.041/0.090
		1	1	2 - stay put	XA2EJ25 0.041/0.090
		2	—	3 - stay put	XA2EJ33 0.055/0.121
		2	—	3 - spring return from 2 sides	XA2EJ53 0.055/0.121



XA2EG03

Key switches					
Shape of head	Type of push	Type of contacts	Number and type of positions	Reference	Weight kg/lb
	Key	 N/O	 N/C		
		1	—	2 - stay put, one side pull-out	XA2EG21 0.064/0.141
		2	—	2 - stay put, two sides pull-out	XA2EG43 0.078/0.172
		2	—	2 - spring return, one side pull-out	XA2EG63 0.078/0.172
		2	—	3 - spring return from 2 sides, middle pull-out	XA2EG73 0.078/0.172
		2	—	3 - stay put, middle pull-out	XA2EG33 0.078/0.172
		2	—	3 - stay put, 3 sides pull-out	XA2EG03 0.078/0.172

Note: Please refer to our website www.schneider-electric.com for information on dimensions

Control and signaling units Ø 22

Easy Harmony XA2, plastic

Illuminated pushbuttons with flush push

Bulbs for illuminated pushbuttons

Contact functions for all XA2 pushbuttons and switches



XA2EW36B1



DL1LED244



DL1LED246



ZB5AZ905



ZB5AZ902



ZA2EE102

Illuminated pushbuttons with integral LED

Shape of head	Type of push	Supply voltage V	Type of contacts	Color	Reference	Weight kg/lb		
	Flush push	~ / --- 24	 N/O	 N/C	1	White	XA2EW31B1	0.056/0.123
					Green	XA2EW33B1	0.056/0.123	
					Red	XA2EW34B1	0.056/0.123	
					Yellow	XA2EW35B1	0.056/0.123	
					Blue	XA2EW36B1	0.056/0.123	
		1	Red	XA2EW34B2	0.056/0.123			
		~ 220-230	1	White	XA2EW31M1	0.064/0.141		
				Green	XA2EW33M1	0.064/0.141		
				Red	XA2EW34M1	0.064/0.141		
				Yellow	XA2EW35M1	0.064/0.141		
	Blue			XA2EW36M1	0.064/0.141			
	1	Red	XA2EW34M2	0.056/0.123				
	~ 380-400	1	White	XA2EW31Q1	0.064/0.141			
			Green	XA2EW33Q1	0.064/0.141			
			Red	XA2EW34Q1	0.064/0.141			
			Yellow	XA2EW35Q1	0.064/0.141			
			Blue	XA2EW36Q1	0.064/0.141			
		1	Red	XA2EW34Q2	0.056/0.123			

Bulbs with BA 9s base fitting and associated accessories

Description	Characteristics	Color	Sold in lots of	Unit reference	Weight kg/lb
LEDs	~ / --- 24 V	White	10	DL1LED241	0.002/0.004
		Green	10	DL1LED243	0.002/0.004
		Red	10	DL1LED244	0.002/0.004
		Yellow	10	DL1LED245	0.002/0.004
		Blue	10	DL1LED246	0.002/0.004

Description	Application	Sold in lots of	Unit reference	Weight kg/lb
Bezel tool	Tightening head fixing nut	1	ZB5AZ905	0.016/0.035
Anti-rotation plate	Prevents head from rotation	10	ZB5AZ902	0.008/0.018

Contact functions (for all XA2 pushbuttons and switches)

Screw clamp terminal connections

Description	To be used with	Type of contacts	Sold in lots of	Unit reference	Weight kg/lb
Contact blocks	All XA2 pushbuttons and switches	 N/O	1	ZA2EE101	0.014/0.031
		 N/C	1	ZA2EE102	0.014/0.031

Note: Please refer to our website www.schneider-electric.com for information on dimensions



Pilot lights with integral LED					
Shape of head	Supply voltage V	Color of lens	Sold in lots of	Reference	Weight kg/lb
	~ / --- 24	White	10	XA2EVB1LC	0.017/0.037
		Green	10	XA2EVB3LC	0.017/0.037
		Red	10	XA2EVB4LC	0.017/0.037
		Orange	10	XA2EVB5LC	0.017/0.037
		Blue	10	XA2EVB6LC	0.017/0.037
		Yellow	10	XA2EVB8LC	0.017/0.037
	~ 110	White	10	XA2EVF1LC	0.017/0.037
		Green	10	XA2EVF3LC	0.017/0.037
		Red	10	XA2EVF4LC	0.017/0.037
		Orange	10	XA2EVF5LC	0.017/0.037
		Blue	10	XA2EVF6LC	0.017/0.037
		Yellow	10	XA2EVF8LC	0.017/0.037
	--- 110	White	10	XA2EVFD1LC	0.017/0.037
		Green	10	XA2EVFD3LC	0.017/0.037
		Red	10	XA2EVFD4LC	0.017/0.037
		Orange	10	XA2EVFD5LC	0.017/0.037
		Blue	10	XA2EVFD6LC	0.017/0.037
		Yellow	10	XA2EVFD8LC	0.017/0.037
	~ 220-230	White	10	XA2EVM1LC	0.017/0.037
		Green	10	XA2EVM3LC	0.017/0.037
		Red	10	XA2EVM4LC	0.017/0.037
		Orange	10	XA2EVM5LC	0.017/0.037
		Blue	10	XA2EVM6LC	0.017/0.037
		Yellow	10	XA2EVM8LC	0.017/0.037
	--- 220	White	10	XA2EVMD1LC	0.017/0.037
		Green	10	XA2EVMD3LC	0.017/0.037
		Red	10	XA2EVMD4LC	0.017/0.037
		Orange	10	XA2EVMD5LC	0.017/0.037
		Blue	10	XA2EVMD6LC	0.017/0.037
		Yellow	10	XA2EVMD8LC	0.017/0.037
	~ 380-400	White	10	XA2EVQ1LC	0.017/0.037
		Green	10	XA2EVQ3LC	0.017/0.037
		Red	10	XA2EVQ4LC	0.017/0.037
		Orange	10	XA2EVQ5LC	0.017/0.037
		Blue	10	XA2EVQ6LC	0.017/0.037
		Yellow	10	XA2EVQ8LC	0.017/0.037

Note: Please refer to our website www.schneider-electric.com for information on dimensions

D		XA2EVFD3LC	13
DL1LED241	12	XA2EVFD4LC	13
DL1LED243	12	XA2EVFD5LC	13
DL1LED244	12	XA2EVFD6LC	13
DL1LED245	12	XA2EVFD8LC	13
DL1LED246	12	XA2EVM1LC	13
		XA2EVM3LC	13
X		XA2EVM4LC	13
XA2EA11	9	XA2EVM5LC	13
XA2EA21	9	XA2EVM6LC	13
XA2EA31	9	XA2EVM8LC	13
XA2EA42	9	XA2EVMD1LC	13
XA2EA51	9	XA2EVMD3LC	13
XA2EA61	9	XA2EVMD4LC	13
XA2EA3311	9	XA2EVMD5LC	13
XA2EA3341	9	XA2EVMD6LC	13
XA2EA3351	9	XA2EVMD8LC	13
XA2EA4322	9	XA2EVQ1LC	13
XA2EA4342	9	XA2EVQ3LC	13
XA2EC21	9	XA2EVQ4LC	13
XA2EC31	9	XA2EVQ5LC	13
XA2EC42	9	XA2EVQ6LC	13
XA2EC51	9	XA2EVQ8LC	13
XA2ED21	11	XA2EW31B1	12
XA2ED25	11	XA2EW31M1	12
XA2ED33	11	XA2EW31Q1	12
XA2ED41	11	XA2EW33B1	12
XA2ED53	11	XA2EW33M1	12
XA2EG03	11	XA2EW33Q1	12
XA2EG21	11	XA2EW34B1	12
XA2EG33	11	XA2EW34B2	12
XA2EG43	11	XA2EW34M1	12
XA2EG63	11	XA2EW34M2	12
XA2EG73	11	XA2EW34Q1	12
XA2EH011	10	XA2EW34Q2	12
XA2EH021	10	XA2EW35B1	12
XA2EH031	10	XA2EW35M1	12
XA2EH042	10	XA2EW35Q1	12
XA2EH051	10	XA2EW36B1	12
XA2EH061	10	XA2EW36M1	12
XA2EJ21	11	XA2EW36Q1	12
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XA2EJ33	11	Z	
XA2EJ53	11	ZA2EE101	12
XA2ER21	9	ZA2EE102	12
XA2ES422	10	ZB5AZ902	12
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XA2ES542	10		
XA2ES642	10		
XA2ET42	10		
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XA2EVB4LC	13		
XA2EVB5LC	13		
XA2EVB6LC	13		
XA2EVB8LC	13		
XA2EVF1LC	13		
XA2EVF3LC	13		
XA2EVF4LC	13		
XA2EVF5LC	13		
XA2EVF6LC	13		
XA2EVF8LC	13		
XA2EVFD1LC	13		