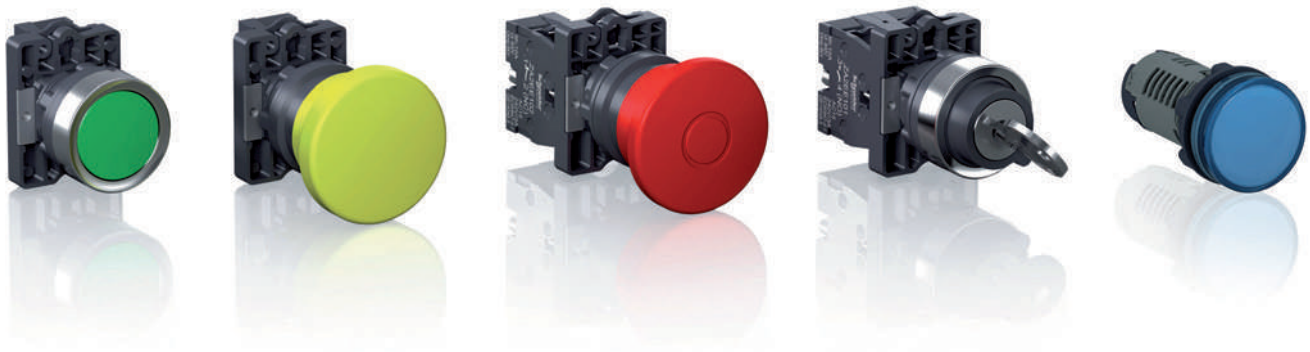


# Control and signaling Harmony Easy XA2

Ø 22 mm, plastic pushbuttons, switches and pilot lights

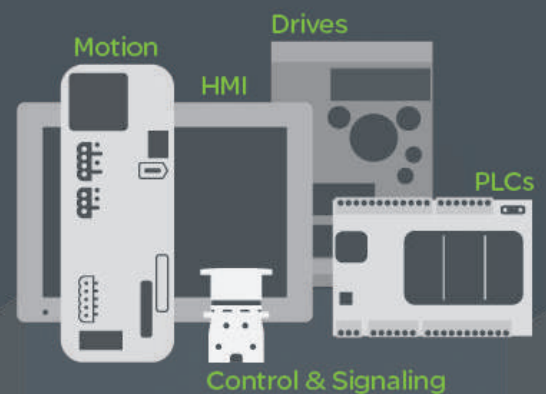
Catalog

December 2017



Introducing the **Easy** line  
Essential automation & control products

*When just enough is just right!*



**Schneider**  
Electric



# General contents

## Harmony™ Easy XA2

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### Harmony Easy 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 Harmony™ Easy XA2 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

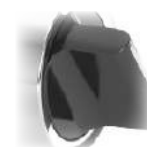
- > Metallic-look ring on pushbuttons and switches gives a modern look
- > Ergonomic curve on the selector switches allows flexible operation



Metallic-look ring



Ergonomic curve



Pushbuttons and switches with metallic-look ring design

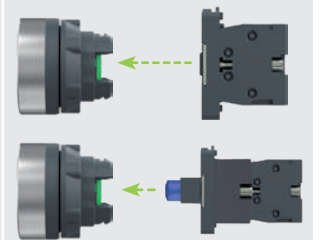
## Easy installation

- > 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

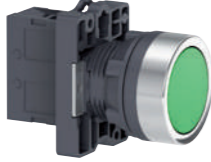




## Service and availability

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

 Up to IP 65 degree of protection

# Control and signaling units Ø 22

Harmony Easy XA2, plastic  
Pushbuttons, switches and pilot lights

Type of products	Contact functions		
	Pushbuttons	Emergency switching off pushbuttons	Selector and key switches
			
			
<b>Description of range</b>	<ul style="list-style-type: none"> <li>■ Pushbuttons, spring return: flush push, mushroom head, and push-push</li> <li>■ Emergency switching off pushbuttons: turn to release and push-push</li> <li>■ Selector switches, 2 or 3-position: standard or long handle</li> <li>■ Key switches</li> </ul>		
<b>Features</b>	<p>Products: Complete units</p> <p>Shape of head: Circular</p>		
<b>Drilling or cut-out for mounting</b>	Ø 22 mm/0.866 in.		
<b>Degree of protection</b>	IP 65 conforming to standard IEC 60529		IP 54 conforming to standard IEC 60529 Selector switches: IP 65 Key switches: IP 54
<b>International standards</b>	IEC 60947-5-1, EN 60947-5-1, GB/T 14048.1-93, GB/14048.5-93		
<b>Product certification</b>	CCC, EAC, CE		
<b>Cabling</b>	Screw clamp terminal connections		
<b>Mounting</b>	Panel thickness: Ø 1 to 6 mm/ 0.04 to 0.24 in.		
<b>Type references</b>	<b>XA2EA●●/EA●●●●/EC●●/ XA2ER●●/EH0●●</b>	<b>XA2ET●●/ES●●●</b>	<b>XA2ED●●/EJ●●/EG●●</b>
<b>Pages</b>	9	10	11

Contact and signaling functions	Signaling functions	
	Illuminated pushbuttons	Pilot lights
		
<b>Description of range</b>	<ul style="list-style-type: none"> <li>■ Illuminated pushbuttons with integral LED, spring return: flush push</li> <li>■ Pilot lights with integral LED</li> </ul>	
<b>Features</b>	<p>Products: Complete units</p> <p>Shape of head: Circular</p>	
<b>Drilling or cut-out for mounting</b>	Ø 22 mm/0.866 in.	
<b>Degree of protection</b>	IP 65 conforming to standard IEC 60529	IP 40 conforming to standard IEC 60529
<b>International standards</b>	IEC 60947-5-1, EN 60947-5-1, GB/T 14048.1-93, GB/14048.5-93	
<b>Product certification</b>	CCC, EAC, CE	
<b>Cabling</b>	Screw clamp terminal connections	
<b>Mounting</b>	Panel thickness: Ø 1 to 6 mm/ 0.04 to 0.24 in.	
<b>Type references</b>	<b>XA2EW3●●●</b>	<b>XA2EV●●●LC, XA2EV●D●LC</b>
<b>Pages</b>	12	13

# Control and signaling units Ø 22

## Harmony Easy XA2, plastic

### Pushbuttons, switches and pilot lights

#### Presentation

The Harmony Easy 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

■ Harmony Easy 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 Harmony Easy 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](http://www.schneider-electric.com).

#### 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	<b>XA2EA●1/EA42</b>	<b>XA2EA33●1/EA43●2</b>	<b>XA2EC●1/EC42/ER21</b>
Pages	9		

##### Pushbuttons, push-push



Type of push	Push-push
Degree of protection	IP 65
Color	White, Black, Green, Yellow, Blue, and Red
Reference	<b>XA2EH0●1/EH042</b>
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	<b>XA2ET42/ES●42/ES422</b>
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	<b>XA2ED●●</b>	<b>XA2EJ●●</b>	<b>XA2EG21/EG●3</b>
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	<b>XA2EW3●B1/3●M1/ 3●Q1</b>
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	<b>XA2EV●●LC/EV●D●LC</b>
Pages	13

# Control and signaling units Ø 22

Harmony Easy 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				
<b>Unmarked</b>						
	1	–	White	–	<b>XA2EA11</b>	0.032/0.071
	–	–	Black	–	<b>XA2EA21</b>	0.032/0.071
	–	–	Green	–	<b>XA2EA31</b>	0.032/0.071
	–	–	Yellow	–	<b>XA2EA51</b>	0.032/0.071
	–	–	Blue	–	<b>XA2EA61</b>	0.032/0.071
	–	1	Red	–	<b>XA2EA42</b>	0.032/0.071
<b>Marked</b>						
	1	–	Green	"I"	<b>XA2EA3311</b>	0.032/0.071
	1	–	Black	"↑"	<b>XA2EA3351</b>	0.032/0.071
	1	–	White	"↑"	<b>XA2EA3341</b>	0.032/0.071
	–	1	Red	"O"	<b>XA2EA4322</b>	0.032/0.071
	–	1	Red	"STOP"	<b>XA2EA4342</b>	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	<b>XA2EC21</b>	0.052/0.115
	1	–	Green	40/1.575	<b>XA2EC31</b>	0.052/0.115
	–	1	Red	40/1.575	<b>XA2EC42</b>	0.052/0.115
	1	–	Yellow	40/1.575	<b>XA2EC51</b>	0.052/0.115
	1	–	Black	60/2.362	<b>XA2ER21</b>	0.058/0.128

**Note:** Please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com) for information on dimensions

# Control and signaling units Ø 22

Harmony Easy XA2, plastic


Pushbuttons, push-push

Emergency switching off pushbuttons

PF132017





XA2EH021

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	<b>XA2EH011</b>	0.04/0.088	
	1	–	Black	<b>XA2EH021</b>	0.04/0.088	
	1	–	Green	<b>XA2EH031</b>	0.04/0.088	
	–	1	Red	<b>XA2EH042</b>	0.04/0.088	
	1	–	Yellow	<b>XA2EH051</b>	0.04/0.088	
	1	–	Blue	<b>XA2EH061</b>	0.04/0.088	

PF132022



XA2ET42

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

**Note:** Please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com) for information on dimensions

# Control and signaling units Ø 22

Harmony Easy XA2, plastic

Selector switches, with standard or long handle

Key switches

PF132031



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
		N/O	N/C			
	Standard handle	1	–	2 - stay put	<b>XA2ED21</b>	0.04/0.088
		1	1	2 - stay put	<b>XA2ED25</b>	0.054/0.119
		2	–	3 - stay put	<b>XA2ED33</b>	0.054/0.119
		2	–	3 - spring return from 2 sides	<b>XA2ED53</b>	0.054/0.119
		1	–	2 - spring return	<b>XA2ED41</b>	0.041/0.090
	Long handle	1	–	2 - stay put	<b>XA2EJ21</b>	0.041/0.090
		1	1	2 - stay put	<b>XA2EJ25</b>	0.041/0.090
		2	–	3 - stay put	<b>XA2EJ33</b>	0.055/0.121
		2	–	3 - spring return from 2 sides	<b>XA2EJ53</b>	0.055/0.121

PF132041



XA2EG03

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

Note: Please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com) for information on dimensions

# Control and signaling units Ø 22

Harmony Easy 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			
			N/O	N/C						
Ø 22	Flush push	~ / 24	1	N/O	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			
					Red	XA2EW34B2	0.056/0.123			
					~ 220-230	1	N/O	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						
		~ 380-400	1	N/O	Red	XA2EW34M2	0.056/0.123			
					White	XA2EW31Q1	0.064/0.141			
					Green	XA2EW33Q1	0.064/0.141			
					Red	XA2EW34Q1	0.064/0.141			
Yellow	XA2EW35Q1				0.064/0.141					
			1	N/C	Blue	XA2EW36Q1	0.064/0.141			
			1	N/C	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
		N/O	N/C			
Contact blocks	All XA2 pushbuttons and switches	1	–	1	ZA2EE101	0.014/0.031
		–	1	1	ZA2EE102	0.014/0.031

Note: Please refer to our website [www.schneider-electric.com](http://www.schneider-electric.com) for information on dimensions

# Control and signaling units Ø 22

Harmony Easy XA2, plastic  
Pilot lights with integral LED



Pilot lights with integral LED					
Shape of head	Supply voltage V	Color of lens	Sold in lots of	Reference	Weight kg/lb
Ø 22	~ / ≍ 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](http://www.schneider-electric.com) for information on dimensions

<b>D</b>			
DL1LED241	12	XA2EVFD3LC	13
DL1LED243	12	XA2EVFD4LC	13
DL1LED244	12	XA2EVFD5LC	13
DL1LED245	12	XA2EVFD6LC	13
DL1LED246	12	XA2EVFD8LC	13
		XA2EVM1LC	13
		XA2EVM3LC	13
		XA2EVM4LC	13
		XA2EVM5LC	13
		XA2EVM6LC	13
		XA2EVM8LC	13
		XA2EVMD1LC	13
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		XA2EVMD4LC	13
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		XA2EVQ5LC	13
		XA2EVQ6LC	13
		XA2EVQ8LC	13
		XA2EW31B1	12
		XA2EW31M1	12
		XA2EW31Q1	12
		XA2EW33B1	12
		XA2EW33M1	12
		XA2EW33Q1	12
		XA2EW34B1	12
		XA2EW34B2	12
		XA2EW34M1	12
		XA2EW34M2	12
		XA2EW34Q1	12
		XA2EW34Q2	12
		XA2EW35B1	12
		XA2EW35M1	12
		XA2EW35Q1	12
		XA2EW36B1	12
		XA2EW36M1	12
		XA2EW36Q1	12
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XA2EA21	9		
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XA2EA51	9		
XA2EA61	9		
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XA2EA3341	9		
XA2EA3351	9		
XA2EA4322	9		
XA2EA4342	9		
XA2EC21	9		
XA2EC31	9		
XA2EC42	9		
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XA2ED33	11		
XA2ED41	11		
XA2ED53	11		
XA2EG03	11		
XA2EG21	11		
XA2EG33	11		
XA2EG43	11		
XA2EG63	11		
XA2EG73	11		
XA2EH011	10		
XA2EH021	10		
XA2EH031	10		
XA2EH042	10		
XA2EH051	10		
XA2EH061	10		
XA2EJ21	11		
XA2EJ25	11		
XA2EJ33	11		
XA2EJ53	11		
XA2ER21	9		
XA2ES422	10		
XA2ES442	10		
XA2ES542	10		
XA2ES642	10		
XA2ET42	10		
XA2EVB1LC	13		
XA2EVB3LC	13		
XA2EVB4LC	13		
XA2EVB5LC	13		
XA2EVB6LC	13		
XA2EVB8LC	13		
XA2EVF1LC	13		
XA2EVF3LC	13		
XA2EVF4LC	13		
XA2EVF5LC	13		
XA2EVF6LC	13		
XA2EVF8LC	13		
XA2EVFD1LC	13		
<b>Z</b>			
		ZA2EE101	12
		ZA2EE102	12
		ZB5AZ902	12
		ZB5AZ905	12

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