

Fuji Electric FA Components & Systems Co., Ltd.

Japanese

Pushbuttons, Pilot lights for printed board: AH16P, AH16P-2 and AH22P Series

Sales distributors: **AMERICAS** **EUROPE** **ASIA/MiddleEast** **CHINA** **JAPAN**
 Explanation of regional icons

Mounted on a panel using round mounting hole for direct connection with printed board.

Pushbuttons, Pilot lights for printed board. Operator/indicator can be separated from the contacts, facilitating maintenance and/or replacement. Deploying patterned wiring on printed board reduces wiring processes and the risk of miswiring.



UL508
 CSA C22.2 No.14
 TÜV: EN60947-5-1
 CCC:GB14048.5 (It is indicated as "CCC" at the end of form)

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Information of product change

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Product Description

Feature Types and ratings Dimensions **Type number nomenclature**

● Illuminated pushbutton switch (operator)

AH16P-2 L R X E 3

Basic product category

Structure	Mounting hole	Code
Oil-proof	φ16.2	AH16P
		AH16P-2
	φ22.3	AH22P

Lamp operational voltage

LED		Incandescent lamp	
Operational voltage [V]	Code	Operational voltage [V]	Code
DC5	AA3	AC/DC5	A
DC6	A3		
DC12	B3	AC/DC12	B
DC24	E3	AC/DC24	E

Operator shape

Shape	Reset type	Code		
		AH16P	AH16P-2	AH22P
Flush round	Momentary	—	FL	
	Alternate	—	FL5	
Flush square	Momentary	SL	SFL	—
	Alternate	SLS	SFL5	—
Flush square with guard	Momentary	SGL	—	
	Alternate	SGL5	—	
Flush rectangular	Momentary	TL	—	
	Alternate	TL5	—	
Extended round	Momentary	L	EL	
	Alternate	L5	EL5	
Flush rectangular with guard	Momentary	TGL	—	
	Alternate	TGL5	—	
Extended square	Momentary	—	SEL	—
	Alternate	—	SEL5	—
Extended concave square	Momentary	—	SCL	—
	Alternate	—	SCL5	—
Mushroom round (round frame)	Momentary	—	ML	
Mushroom round (square frame)	Momentary	—	YML	—
Push-lock (round frame) ①	Turn-reset	—	VL	
Push-lock (square frame) ②	Turn-reset	—	YVL	—

Indicates the product with operator only

Plate color

Color	Availability		Code
	LED ①	Incandescent	
Green	○ (Green)	○	G
Red	○ (Red)	○	R
Yellow	○ (Yellow)	○	Y
White ②	○ (Orange)	○	W
Blue	○ (Blue)	○	S
Orange	○ (Amber)	○	O

① () Luminous color is shown in parentheses.
 ② For white (W) plate, clear plate comes with white legend plate (except mushroom round and push-lock types).
 For white (W) plate, clear plate comes with white legend plate (except mushroom round and push-lock types).

① Product with no trigger action mechanism.
 Note: separate order is necessary for contact blocks.

● Pushbutton switch (operator)

Basic product category

Structure	Mounting hole	Code
Oil-proof	φ16.2	AH16P
		AH16P-2
	φ22.3	AH22P

Operator shape

Shape	Reset type	Code	AH16P	AH16P-2	AH22P
Flush round	Momentary	—	—	F	—
	Alternate	—	—	—	—
Flush square	Momentary	SF	SF	—	—
	Alternate	—	—	SF5	—
Flush square with guard	Momentary	SGF	—	—	—
	Alternate	—	—	SGF5	—
Flush rectangular	Momentary	TF	—	—	—
	Alternate	—	—	TF5	—
Flush rectangular with guard	Momentary	TGF	—	—	—
	Alternate	—	—	TGF5	—
Extended round	Momentary	E	E	—	—
	Alternate	—	—	ES	ES
Extended square	Momentary	—	SE	—	—
	Alternate	—	—	SE5	—
Extended concave square	Momentary	—	SCE	—	—
	Alternate	—	—	SCE5	—

— Indicates the product with operator only

Plate color

Color	Code	Color	Code
Green	G	White	W
Red	R	Blue	S
Black	B	Orange	O
Yellow	Y	—	—

① For white (W) plate, clear plate comes with white legend plate (except mushroom round, mushroom square, mushroom rectangular and push-lock types).
 ② For black (B) plate, clear plate comes with black legend plate (except mushroom round, mushroom square, mushroom rectangular and push-lock types).

Operator shape

Shape	Reset type	Code	AH16P	AH16P-2	AH22P
Flush round	Momentary	—	—	F	—
	Alternate	—	—	—	—
Flush square	Momentary	SF	SF	—	—
	Alternate	—	—	SF5	—
Flush square with guard	Momentary	SGF	—	—	—
	Alternate	—	—	SGF5	—
Flush rectangular	Momentary	TF	—	—	—
	Alternate	—	—	TF5	—
Flush rectangular with guard	Momentary	TGF	—	—	—
	Alternate	—	—	TGF5	—
Extended round	Momentary	E	E	—	—
	Alternate	—	—	ES	ES
Extended square	Momentary	—	SE	—	—
	Alternate	—	—	SE5	—
Extended concave square	Momentary	—	SCE	—	—
	Alternate	—	—	SCE5	—

Shape	Reset type	Code	AH16P	AH16P-2	AH22P
Mushroom round (round frame)	Momentary	M	M	—	—
	Alternate	—	—	M5	—
Mushroom round (square frame)	Momentary	—	—	YM	—
Mushroom square	Momentary	SM	—	—	—
	Alternate	—	—	SM5	—
Mushroom rectangular	Momentary	TM	—	—	—
	Alternate	—	—	TM5	—
Push-lock (round frame)	Turn/reset	—	—	V	—
Push-lock (square frame)	Turn/reset	—	—	YV	—
Selector ring type (round frame)	Spring return (push button)	—	—	S2	—
Selector ring type (square frame)	Spring return (push button)	—	—	YS2	—

① Product with no trigger action mechanism.
 Note: separate order is necessary for contact blocks.

● Selector switch (operator)

Basic product category

Structure	Mounting hole	Code
Oil-proof	φ16.2	AH16P
		AH16P-2
	φ22.3	AH22P

Operator shape

Shape	Code	AH16P	AH16P-2	AH22P
Knob-type (round frame)	P	—	—	—
Knob-type (round frame)	YP	SP	—	—
Knob-type (rectangular frame)	—	P	—	—
Key-type (round frame)	J	—	—	—
Key-type (round frame)	YJ	SJ	—	—
Key-type (rectangular frame)	—	J	—	—
Lever-type (round frame)	H	—	—	—
Lever-type (round frame)	SH	—	—	—

Key types
 There are 6 available key types (A to F).
 Standard key code is A.

— Indicates the product with operator only

Color of knob/lever or key removable position

● Knob/lever color (for knob/key types only)

Color	Code
Black	B

● Key removable position (for key type only)

Key removable position		Code								
2-notch	3-notch									
		AH16P	AH16P-2, AH22P							
⊙	⊙	1	3	6	7	1	3	6	7	A
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	B
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	C
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	D
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	E
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	F
⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙	G

Operation method

Number of notches	Reset type	Code	
		Knob/Key-type	Lever-type
2-notch	Manual return	—	2
	Spring return	⊙	⊙ 0
3-notch	Manual return	—	3
	Spring/manual return	⊙	⊙ 6
	Spring/manual return	⊙	⊙ 7
	Spring return	⊙	⊙ 1

① Available in AH16P-H only.
 Note: separate order is necessary for contact blocks.

● Pilot light (Indicator)

Basic product category

Mounting dimension	Code
φ16.2	AH16P
	AH16P-2

Form of indicator

Form	Code	AH16P	AH16P-2
Flush round	—	Z	—
Extended round	Z	—	ZE
Flush square	ZS	—	SZ
Extended square	—	—	SZE
Flush rectangular	2T	—	—

Plate color

Color	Availability	LED	Incandescent	Code
Green	⊙ (Green)	⊙	⊙	G
Red	⊙ (Red)	⊙	⊙	R
White	⊙ (Orange)	⊙	⊙	W
Blue	⊙ (Blue)	⊙	⊙	S
Yellow	⊙ (Yellow)	⊙	⊙	Y
Orange	⊙ (Amber)	⊙	⊙	O

① Luminous color is shown in parentheses.
 ② For white (W) plate, clear plate comes with white legend plate.

Lamp operational voltage

LED		Incandescent lamp	
Operational voltage [V]	Code	Operational voltage [V]	Code
DC5	AA3	AC/DC5	A
DC6	AA3	—	—
DC12	B3	AC/DC12	B
DC24	E3	AC/DC24	E

●Contact block (please specify at the time of ordering operators) - Common to AH16P, AH16P-2 and AH22P.

Basic product category **AH16P - L 11** Contact arrangement

Configuration	Code	Contact arrangement	Code
For illuminated pushbutton switch	L	1NO + 1NC	11
For pushbutton and selector switches	---	2NO + 2NC	22
For pilot light	Z1		

Note: Please leave this space blank when ordering products for pilot light.

Contact about this product

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