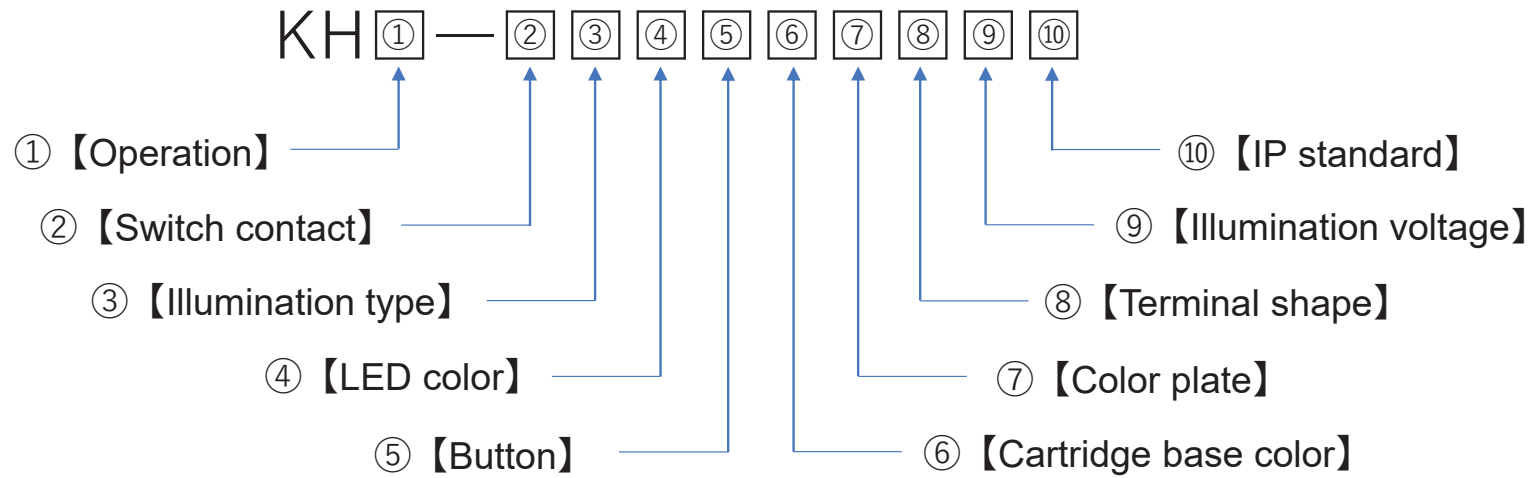
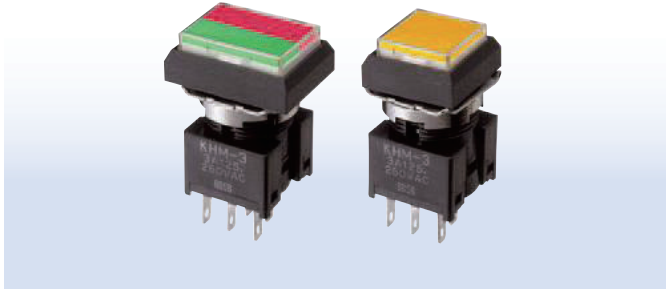


KH



# KH

KH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

## ① 【Operation】 (Distinguished by Marking)

Marking = Product code

※ Ref. (A)

Product code
M
A
L

## ② 【Switch contact】 (Distinguished by Marking)

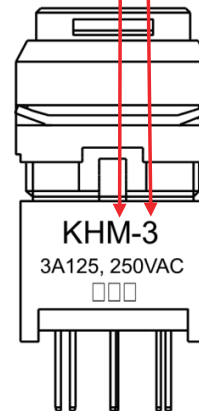
Marking = Product code

※ Ref. (B)

Product Code
0
3
4
5
6

※ (A) : "Operation" Marking

※ (B) : "Switch contact" Marking

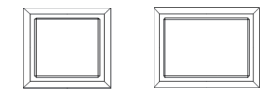


## ③ 【Illumination type】 (Distinguished by Button shape and Number of mounted LEDs )

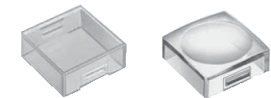
Button shape			Number of mounted LEDs	Product code
Square	Flat	Full-Face	"4 pcs"	S0
Square	Flat	Full-Face	without LEDs	S0
Square	Flat	Full-Face	"8 pcs"	S3
Square	Flat	2-Split-Face	"4 pcs"	S2
Square	Concave	Full-Face	"4 pcs"	K0
Square	Concave	Full-Face	without LEDs	K0
Square	Concave	Full-Face	"8 pcs"	K3
Square	Concave	2-Split-Face	"4 pcs"	K2
Rectangular	Flat	Full-Face	"4 pcs"	W0
Rectangular	Flat	Full-Face	without LEDs	W0
Rectangular	Flat	Full-Face	"8 pcs"	W3
Rectangular	Flat	2-Split-Face	"4 pcs"	W2

※ Inside of the "Cartridge base".

※ Button shape



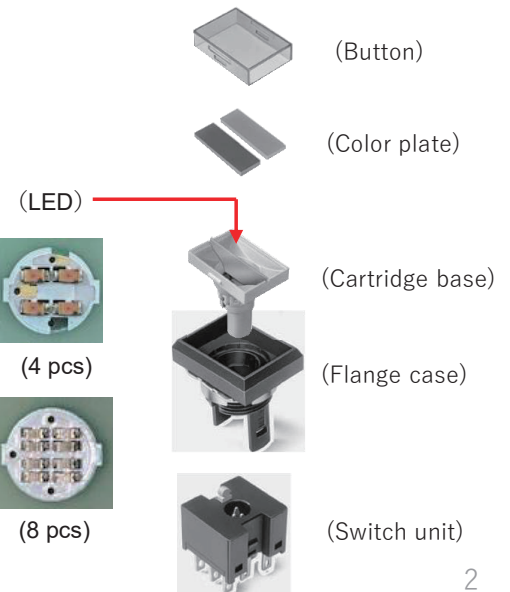
(Square) (Rectangular)



(Flat) (Concave)



(Full-Face) (2-Split-Face)



KH

KH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

Products manufactured before 1. Nov, 2020

④ 【LED Color】 (Distinguished by Button shape and LED mold color)

Illumination type	LED type	Product code
Full-Face	R	7
Full-Face	G	8
Full-Face	Y	9
Full-Face	Dual	78
Full-Face	(without LED)	X
2-Split-Face	RR	77
2-Split-Face	RG	78
2-Split-Face	RY	79
2-Split-Face	GR	87
2-Split-Face	GG	88
2-Split-Face	GY	89
2-Split-Face	YR	97
2-Split-Face	YG	98
2-Split-Face	YY	99
2-Split-Face	(without LED)	XX

(Full-Face) 

(2-Split-Face) 

R



RR



RG



RY



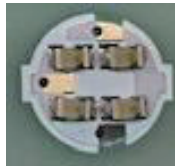
G



GR



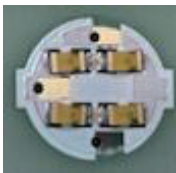
GG



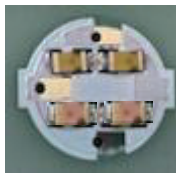
GY



Y



YR



YG



YY



Dual




KH

KH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

Products manufactured on and after 1. Nov. 2020

④ 【LED Color】 (Distinguished by Marking on the Cartridge base)

(Full-Face) 

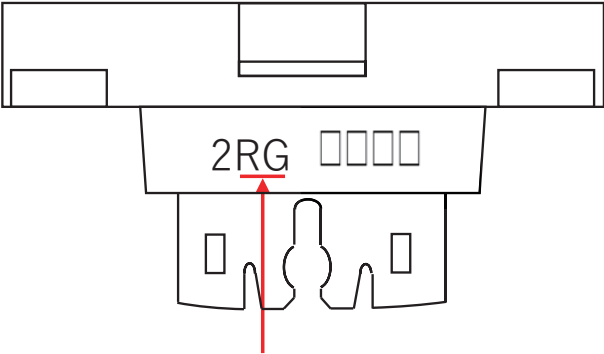
Marking	Product code
R	7
G	8
Y	9
RG	78
(without)	X

※ Ref. (C)

(2-Split-Face) 

Marking	Product code
RR	77
RG	78
RY	79
GR	87
GG	88
GY	89
YR	97
YG	98
YY	99
(without)	XX

※ Ref. (C)



※ (C) : "LED color" Marking

KH

KH①—②③④⑤⑥⑦⑧⑨⑩

⑤【Button】 (Distinguished by Appearance )

Button color	Product code
Clear	C
(without button)	X

⑥【Flange case color】 (Distinguished by Appearance )

Flange case color	Product code
Black	K
Gray	H

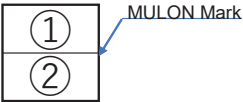
⑦【Color plate】 (Distinguished by Appearance )

[Full-Face]



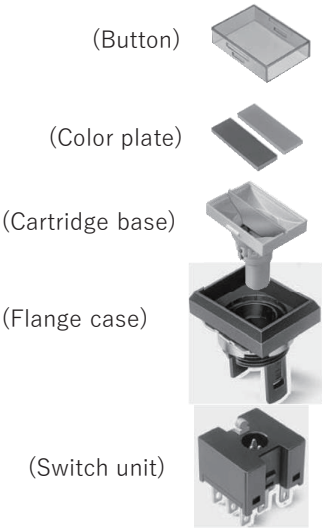
Color plate	Product code
Red	1
Green	2
Orange Yellow	3
Milk-White	4
(without Color plate)	X

[2-Split-Face]



Color plate	Product code
①Red・②Red	11
①Red・②Green	12
①Red・②Orange Yellow	13
①Red・②Milk-White	14
①Green・②Red	21
①Green・②Green	22
①Green・②Orange Yellow	23
①Green・②Milk-White	24

Color plate	Product code
①Orange Yellow・②Red	31
①Orange Yellow・②Green	32
①Orange Yellow・②Orange Yellow	33
①Orange Yellow・②Milk-White	34
①Milk-White・②Red	41
①Milk-White・②Green	42
①Milk-White・②Orange Yellow	43
①Milk-White・②Milk-White	44
(without Color plate)・(without Color plate)	XX

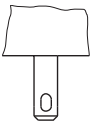


KH

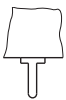
KH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

⑧ 【Terminal Shape】 (Distinguished by Appearance)

Terminal shape	Product code
Solder tab terminal #110	P
PC board terminal	C



(Solder tab terminal #110)

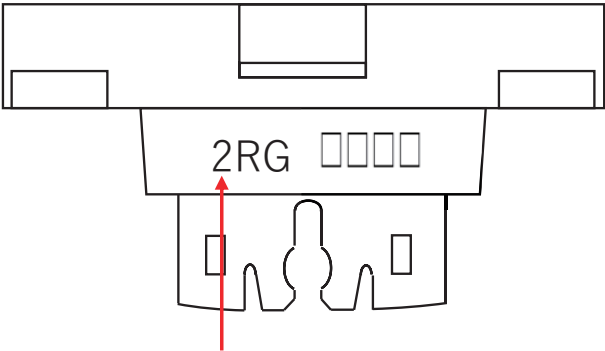


(PC board terminal)

⑨ 【Illumination voltage】 (Distinguished by Marking on the Cartridge base )

Marking	Product code
1	1
2	2
3	3
4	4
5	5
6	6
(Without)	X

※ Ref. (D)



※ (D) : "Illumination voltage" Marking

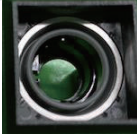
⑩ 【IP standard】 (Distinguished by the presence or absence of rubber packing )

Rubber packing	Product code
Without	A
With	B

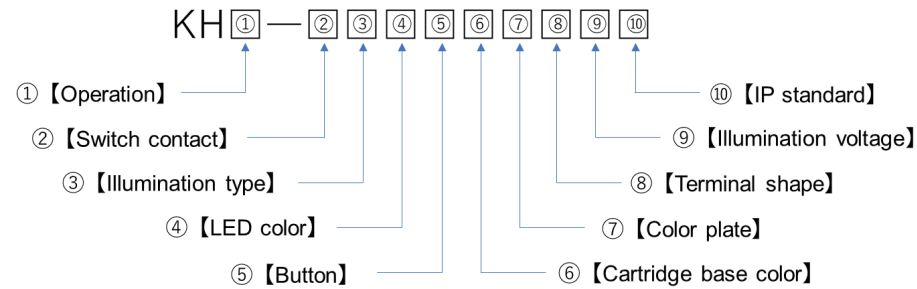
(Without  
Rubber packing)



(With  
Rubber packing)

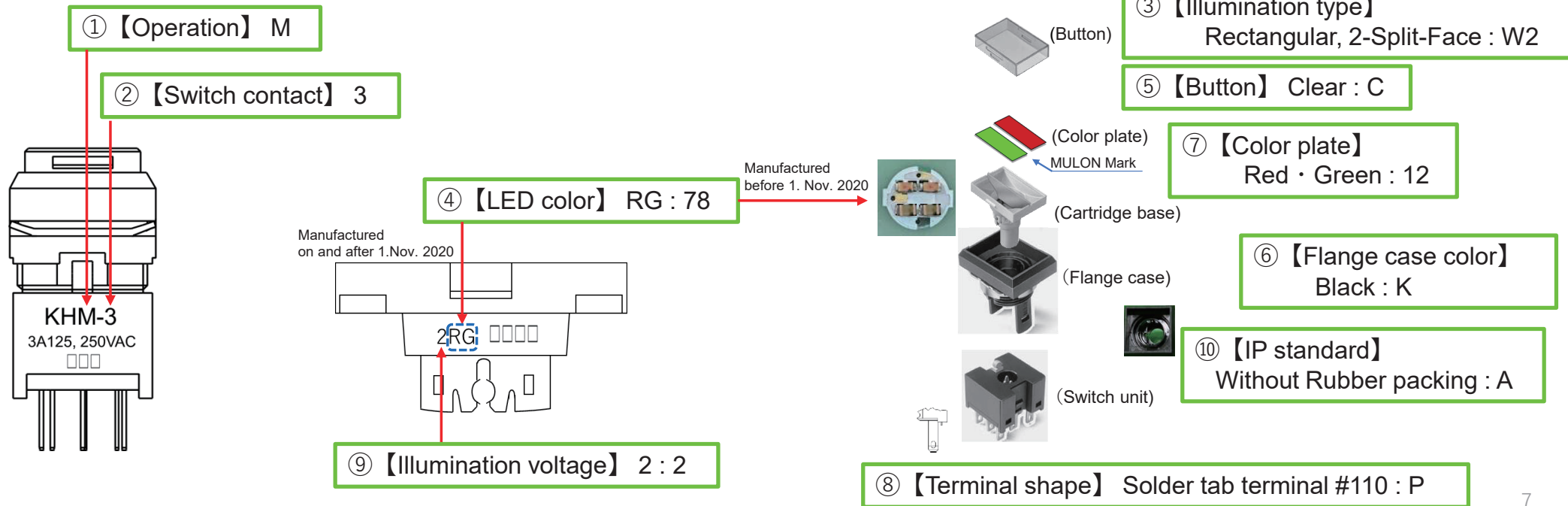


KH

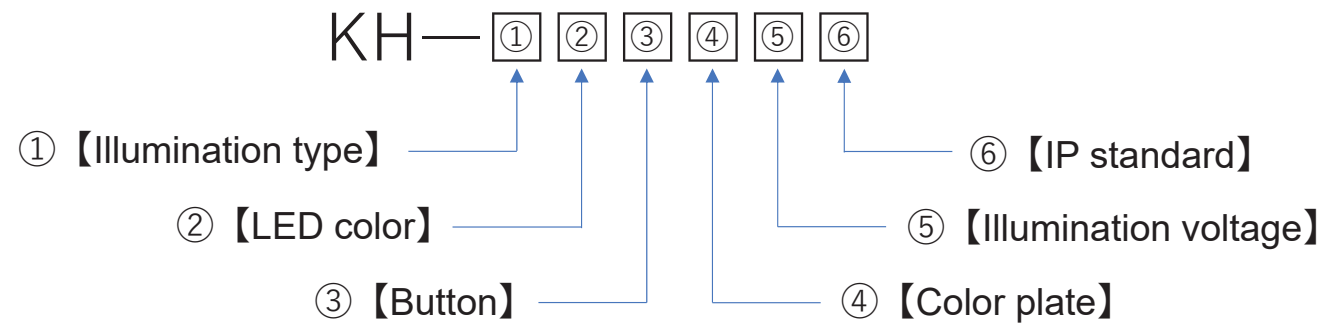
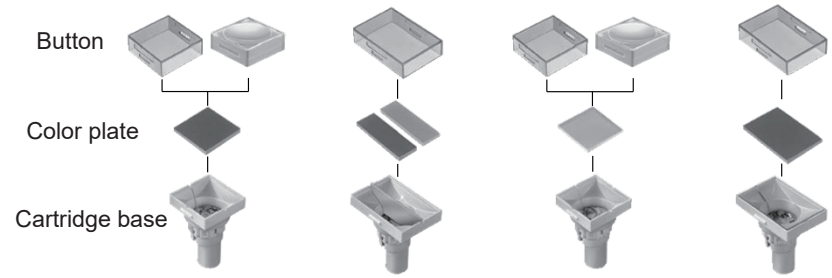


ex.) KHM—3W278CK12P2A

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩



KH -Light Cartridge-





KH -Light Cartridge-

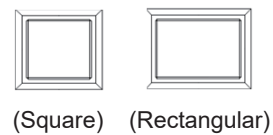
KH—①②③④⑤⑥

① 【Illumination type】 (Distinguished by Button shape and Number of mounted LEDs )

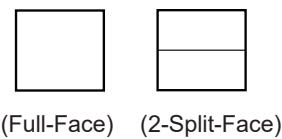
Button shape			Number of mounted LEDs	Product code
Square	Flat	Full-Face	"4 pcs"	S0
Square	Flat	Full-Face	without LEDs	S0
Square	Flat	Full-Face	"8 pcs"	S3
Square	Flat	2-Split-Face	"4 pcs"	S2
Square	Concave	Full-Face	"4 pcs"	K0
Square	Concave	Full-Face	without LEDs	K0
Square	Concave	Full-Face	"8 pcs"	K3
Square	Concave	2-Split-Face	"4 pcs"	K2
Rectangular	Flat	Full-Face	"4 pcs"	W0
Rectangular	Flat	Full-Face	without LEDs	W0
Rectangular	Flat	Full-Face	"8 pcs"	W3
Rectangular	Flat	2-Split-Face	"4 pcs"	W2

※ Ref. (A)    ※ Ref. (B)    ※ Ref. (C)    ※ Ref. (D)

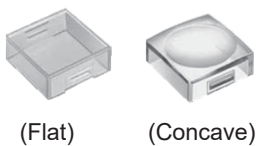
※ (A) : Button shape



※ (C) : Illumination type



※ (B) : Button shape

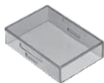


※ (D) : Number of mounted LEDs  
(Located inside the Cartridge base)

(4 pcs)



(8 pcs)



(Button)



(Color plate)



(Cartridge base)



(Flange case)



(Switch unit)


## KH -Light Cartridge-

KH—①②③④⑤⑥

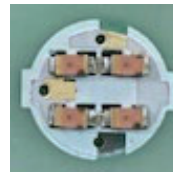
***Products manufactured before 1. Nov, 2020***

② 【LED Color】 (Distinguished by Button shape and LED mold color)

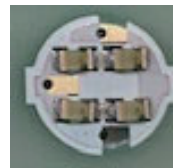
Illumination type	LED type	Product code
Full-Face	R	7
Full-Face	G	8
Full-Face	Y	9
Full-Face	Dual	78
Full-Face	(without LED)	X
2-Split-Face	RR	77
2-Split-Face	RG	78
2-Split-Face	RY	79
2-Split-Face	GR	87
2-Split-Face	GG	88
2-Split-Face	GY	89
2-Split-Face	YR	97
2-Split-Face	YG	98
2-Split-Face	YY	99
2-Split-Face	(without LED)	XX

(Full-Face) 

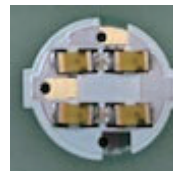
R



G




Y



Dual

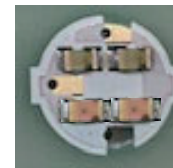


(2-Split-Face) 

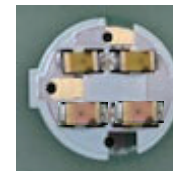
RR



GR



YR



RG



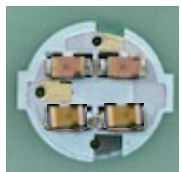
GG



YG



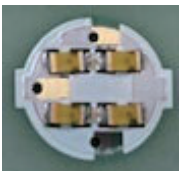
RY



GY



YY




※ (E) : LED type

KH -Light Cartridge-

KH—①②③④⑤⑥

Products manufactured on and after 1. Nov, 2020

② 【LED Color】 (Distinguished by Marking on the Cartridge base)

(Full-Face) 

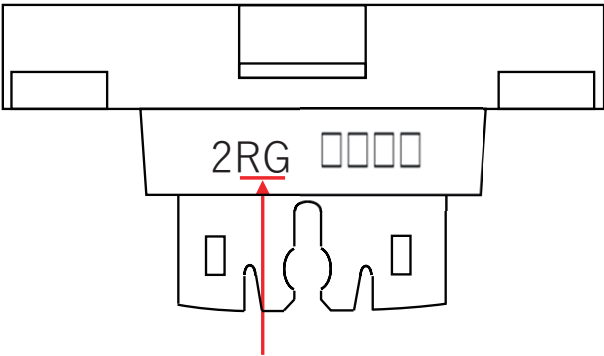
Marking	Product code
R	7
G	8
Y	9
RG	78
(without)	X

※ Ref. (E)

(2-Split-Face) 

Marking	Product code
RR	77
RG	78
RY	79
GR	87
GG	88
GY	89
YR	97
YG	98
YY	99
(without)	XX

※ Ref. (E)



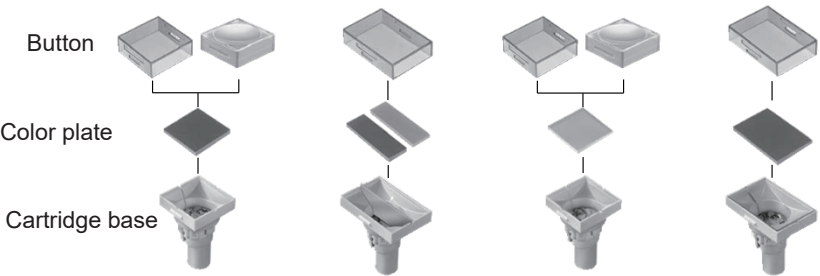
※ (E) : "LED color" Marking

KH -Light Cartridge-

KH—①②③④⑤⑥

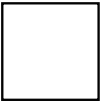
③ 【Button】 (Distinguished by Appearance )

Button color	Product code
Clear	C
(without button)	X



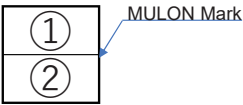
④ 【Color plate】 (Distinguished by Appearance )

[Full-Face]



Color plate	Product code
Red	1
Green	2
Orange Yellow	3
Milk-White	4
(without Color plate)	X

[2-Split-Face]



Color plate	Product code
①Red・②Red	11
①Red・②Green	12
①Red・②Orange Yellow	13
①Red・②Milk-White	14
①Green・②Red	21
①Green・②Green	22
①Green・②Orange Yellow	23
①Green・②Milk-White	24

Color plate	Product code
①Orange Yellow・②Red	31
①Orange Yellow・②Green	32
①Orange Yellow・②Orange Yellow	33
①Orange Yellow・②Milk-White	34
①Milk-White・②Red	41
①Milk-White・②Green	42
①Milk-White・②Orange Yellow	43
①Milk-White・②Milk-White	44
(without Color plate)・(without Color plate)	XX

KH -Light Cartridge-

KH—①②③④⑤⑥

⑤ 【Illumination voltage】 (Distinguished by Marking on the Cartridge base )

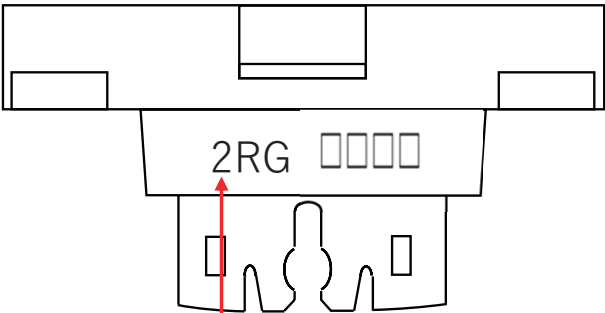
Marking	Product code
1	1
2	2
3	3
4	4
5	5
6	6
(Without)	X

※ Ref. (F)

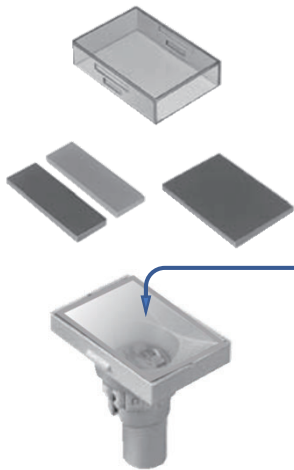
⑥ 【IP standard】 (Distinguished by the presence or absence of Transparent plate on the Cartridge base)

Transparent plate	Product code
Without	A
With	B

※ Ref. (G)

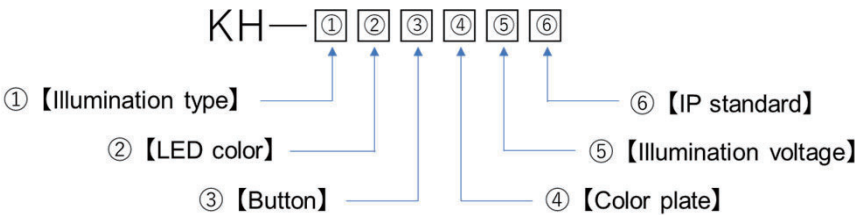


※ (F) : "Illumination voltage" Marking



※ (G) : Transparent plate

KH -Light Cartridge-

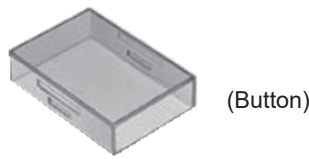


ex.) KH—W278C122B

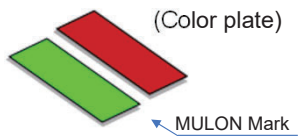
① ② ③ ④ ⑤ ⑥

① 【Illumination type】  
Rectangular, 2-Split-Face : W2

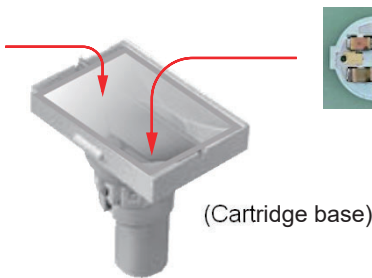
③ 【Button】 Clear : C



④ 【Color plate】 Red · Green : 12



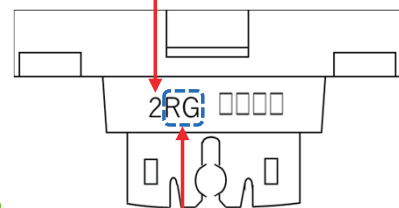
⑥ 【IP standard】  
With Transparent plate : B



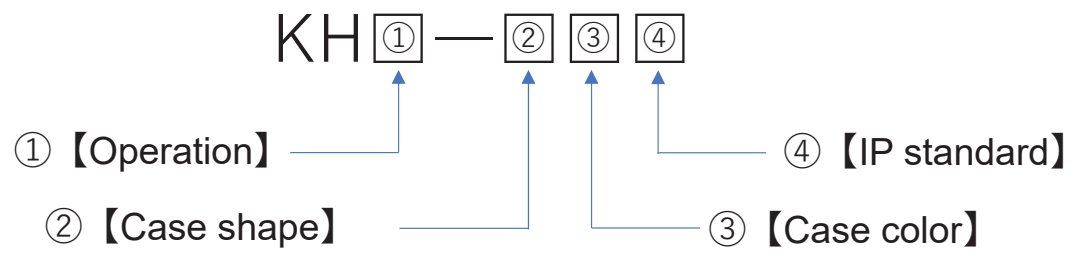
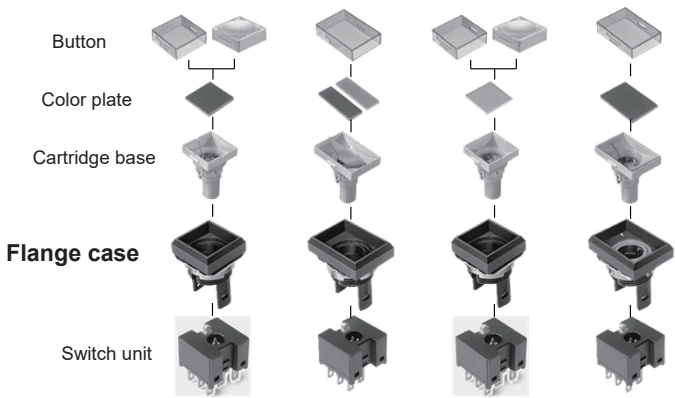
② 【LED color】 RG : 78

Manufactured on and after 1. Nov. 2020

⑤ 【Illumination voltage】 2 : 2



KH -Flange case-



KH -Flange case-

KH ① — ② ③ ④

※ (A) : Component parts (Inside of Flange case)

① 【Operation】 (Distinguished by appearance )

Component parts	Product code
Spring	S
Spacer	L

※ Ref. (A)

② 【Case shape】 (Distinguished by Appearance)

Case shape	Product code
Square	S
Rectangular	W

※ Ref. (B)

③ 【Case color】 (Distinguished by Appearance)

Case color	Product code
Black	K
Gray	H

※ Ref. (B)

④ 【IP standard】 (Distinguished by the presence or absence of rubber packing )

Rubber packing	Product code
Without	A
With	B

(Without  
Rubber packing)



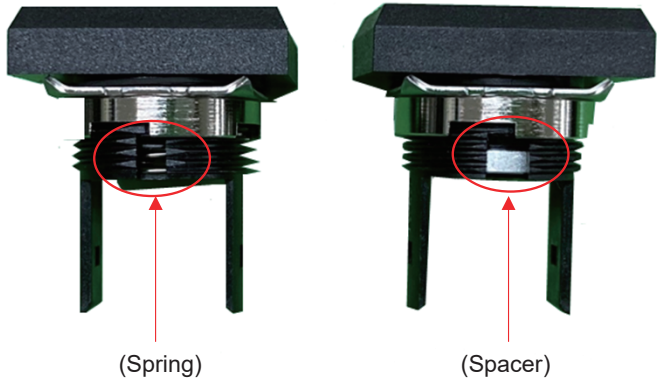
(With  
Rubber packing)



※ (B) : Flange case appearance

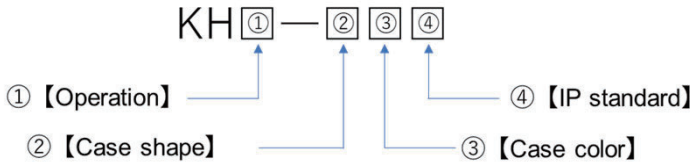


(Square) (Rectangular)



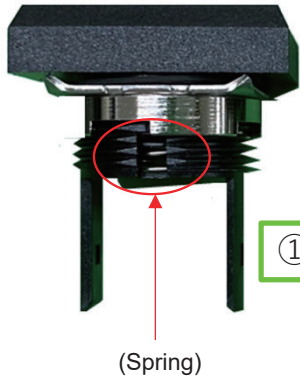


KH -Flange case-



ex.) KHS—SKA

①                      ② ③ ④



① 【Operation】 Spring : S



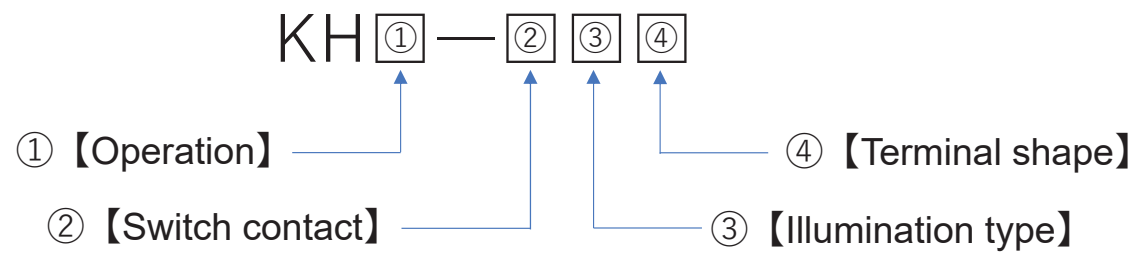
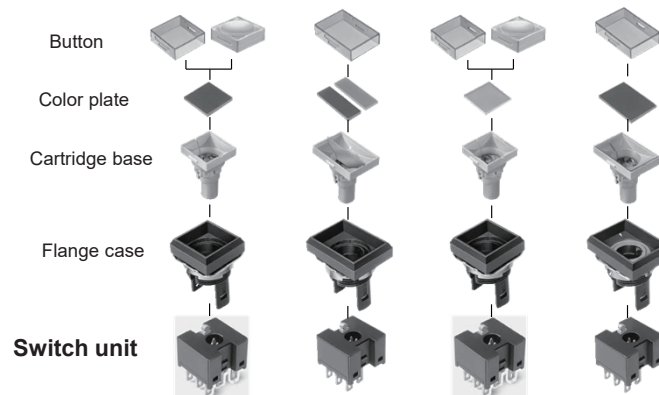
② 【Case shape】 Square : S

③ 【Case color】 Black : K



④ 【IP standard】 Without Rubber packing : A

KH -Switch unit-



KH -Switch unit-



① 【Operation】 (Distinguished by Marking )

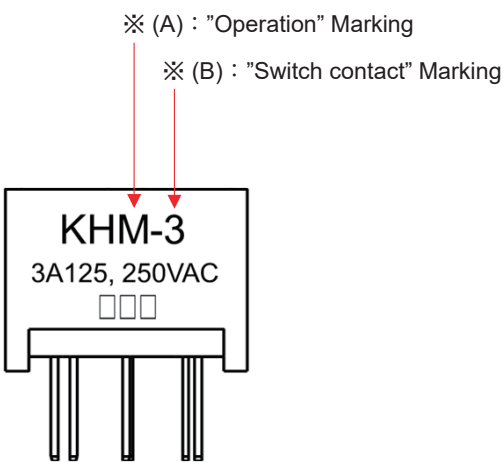
Marking = Product code  
※ Ref. (A)

Product code
M
A
L

② 【Switch contact】 (Distinguished by Marking)

Marking = Product code  
※ Ref. (B)

Product Code
0
3
4
5
6



KH -Switch unit-

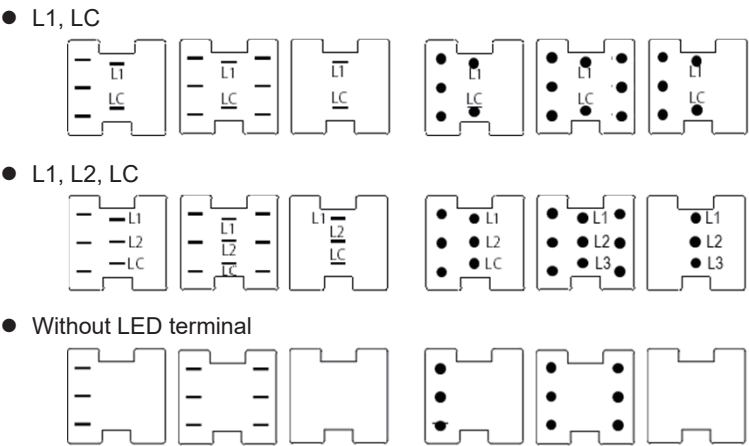
KH ① — ② ③ ④

③ 【Illumination type】 (Distinguished by LED terminal )

LED terminal	Product code
L1, LC	D
L1, L2, LC	E
without LED terminal	X

※ Ref. (C)

※ (D) : LED terminal (bottom view)



④ 【Terminal shape】 (Distinguished by Appearance )

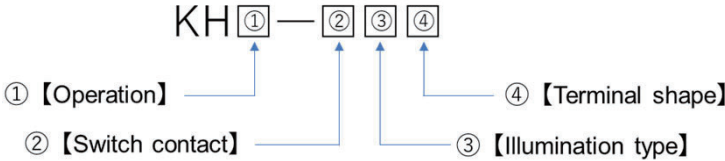
Terminal shape	Product code
Solder tab terminal #110	P
PC board terminal	C

※ Ref. (D)

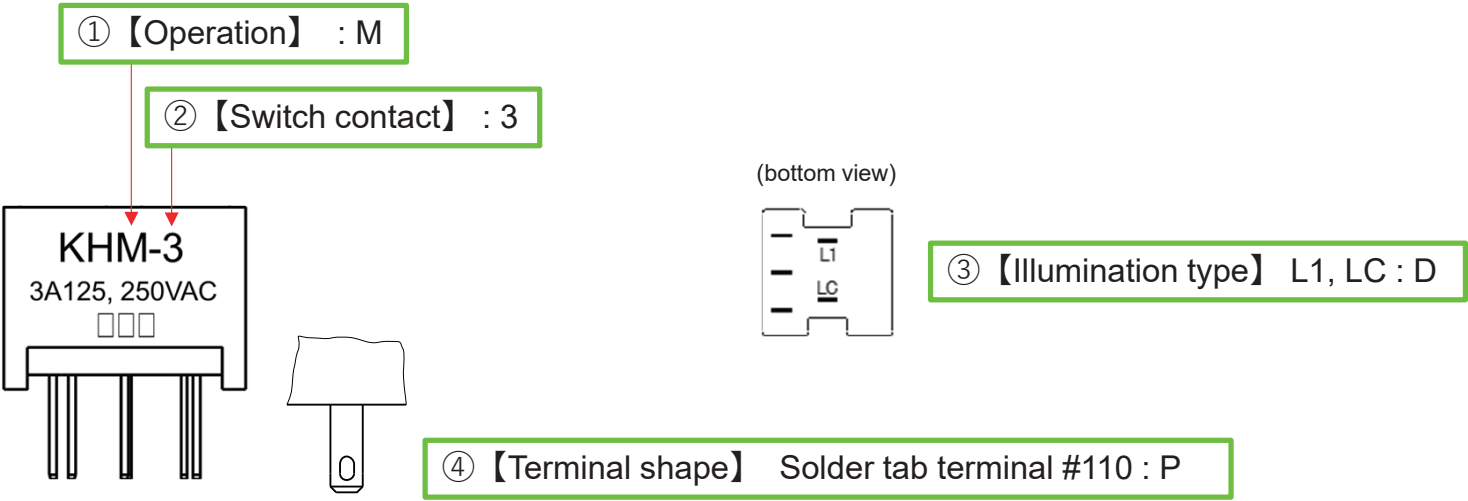
※ (D) : Terminal shape



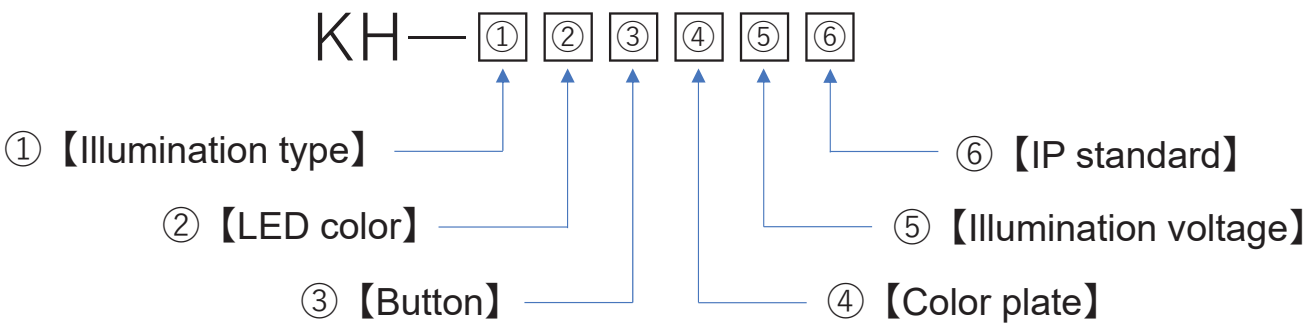
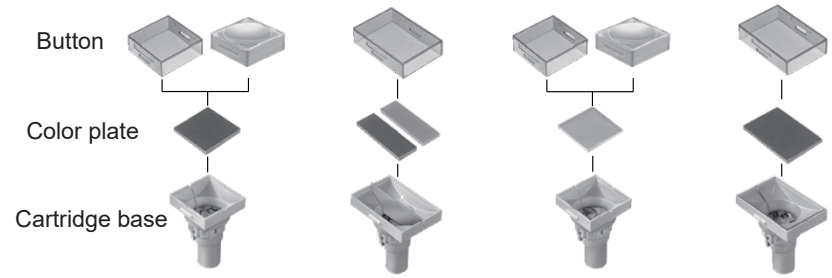
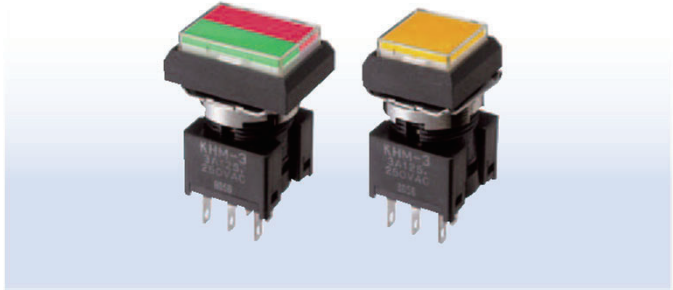
KH -Switch unit-



ex.) KHM—3DP  
          ①      ②③④



KH -Light Cartridge-



KH -Light Cartridge-

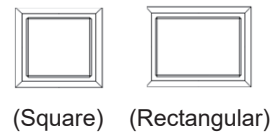
KH—①②③④⑤⑥

① 【Illumination type】 (Distinguished by Button shape and Number of mounted LEDs )

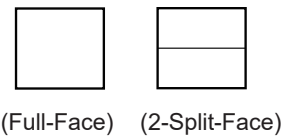
Button shape			Number of mounted LEDs	Product code
Square	Flat	Full-Face	"4 pcs"	S0
Square	Flat	Full-Face	without LEDs	S0
Square	Flat	Full-Face	"8 pcs"	S3
Square	Flat	2-Split-Face	"4 pcs"	S2
Square	Concave	Full-Face	"4 pcs"	K0
Square	Concave	Full-Face	without LEDs	K0
Square	Concave	Full-Face	"8 pcs"	K3
Square	Concave	2-Split-Face	"4 pcs"	K2
Rectangular	Flat	Full-Face	"4 pcs"	W0
Rectangular	Flat	Full-Face	without LEDs	W0
Rectangular	Flat	Full-Face	"8 pcs"	W3
Rectangular	Flat	2-Split-Face	"4 pcs"	W2

※ Ref. (A)    ※ Ref. (B)    ※ Ref. (C)    ※ Ref. (D)

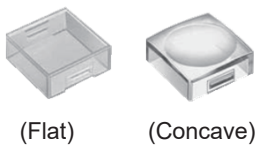
※ (A) : Button shape



※ (C) : Illumination type



※ (B) : Button shape

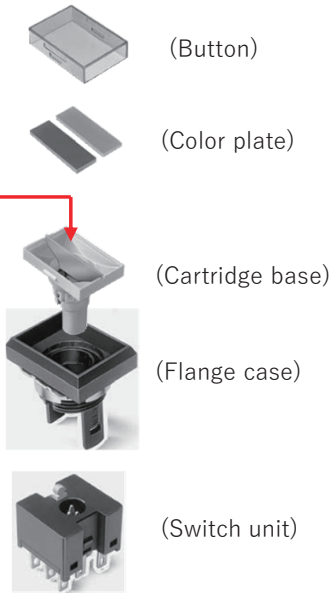


※ (D) : Number of mounted LEDs  
(Located inside the Cartridge base)

(4 pcs)



(8 pcs)




## KH -Light Cartridge-

KH—①②③④⑤⑥

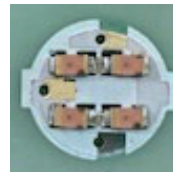
***Products manufactured before 1. Nov, 2020***

② 【LED Color】 (Distinguished by Button shape and LED mold color)

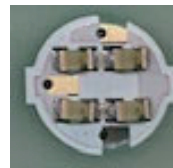
Illumination type	LED type	Product code
Full-Face	R	7
Full-Face	G	8
Full-Face	Y	9
Full-Face	Dual	78
Full-Face	(without LED)	X
2-Split-Face	RR	77
2-Split-Face	RG	78
2-Split-Face	RY	79
2-Split-Face	GR	87
2-Split-Face	GG	88
2-Split-Face	GY	89
2-Split-Face	YR	97
2-Split-Face	YG	98
2-Split-Face	YY	99
2-Split-Face	(without LED)	XX

(Full-Face) 

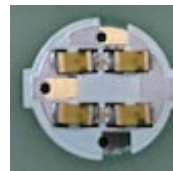
R



G




Y



Dual

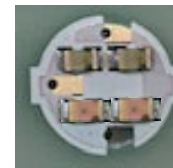


(2-Split-Face) 

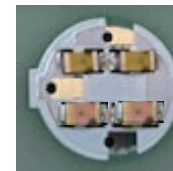
RR



GR



YR



RG



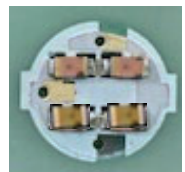
GG



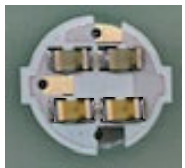
YG



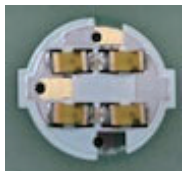
RY



GY



YY



※ (E) : LED type




KH -Light Cartridge-

KH—①②③④⑤⑥


**Products manufactured on and after 1. Nov, 2020**

② 【LED Color】 (Distinguished by Marking on the Cartridge base)

(Full-Face) 

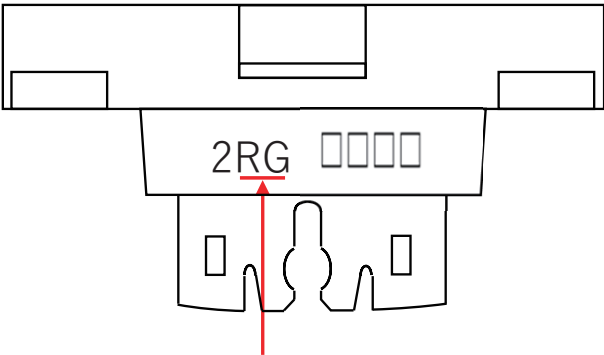
Marking	Product code
R	7
G	8
Y	9
RG	78
(without)	X

※ Ref. (E)

(2-Split-Face) 

Marking	Product code
RR	77
RG	78
RY	79
GR	87
GG	88
GY	89
YR	97
YG	98
YY	99
(without)	XX

※ Ref. (E)



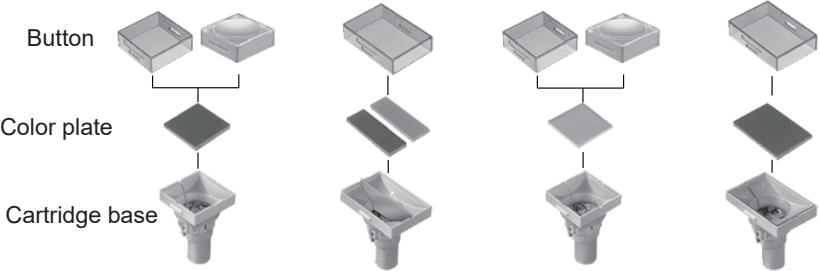
※ (E) : "LED color" Marking

KH -Light Cartridge-

KH—①②③④⑤⑥

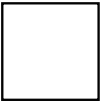
③ 【Button】 (Distinguished by Appearance )

Button color	Product code
Clear	C
(without button)	X



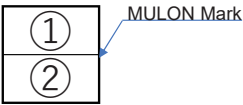
④ 【Color plate】 (Distinguished by Appearance )

[Full-Face]



Color plate	Product code
Red	1
Green	2
Orange Yellow	3
Milk-White	4
(without Color plate)	X

[2-Split-Face]



Color plate	Product code
①Red・②Red	11
①Red・②Green	12
①Red・②Orange Yellow	13
①Red・②Milk-White	14
①Green・②Red	21
①Green・②Green	22
①Green・②Orange Yellow	23
①Green・②Milk-White	24

Color plate	Product code
①Orange Yellow・②Red	31
①Orange Yellow・②Green	32
①Orange Yellow・②Orange Yellow	33
①Orange Yellow・②Milk-White	34
①Milk-White・②Red	41
①Milk-White・②Green	42
①Milk-White・②Orange Yellow	43
①Milk-White・②Milk-White	44
(without Color plate)・(without Color plate)	XX

KH -Light Cartridge-

KH—①②③④⑤⑥

⑤ 【Illumination voltage】 (Distinguished by Marking on the Cartridge base )

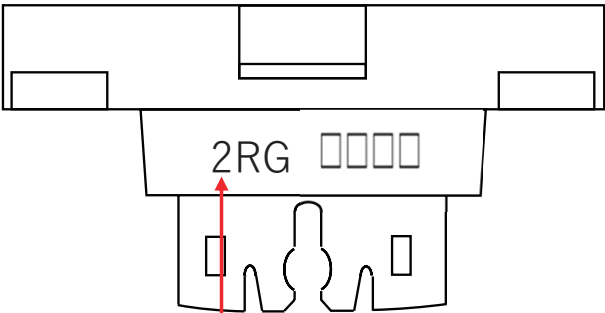
Marking	Product code
1	1
2	2
3	3
4	4
5	5
6	6
(Without)	X

※ Ref. (F)

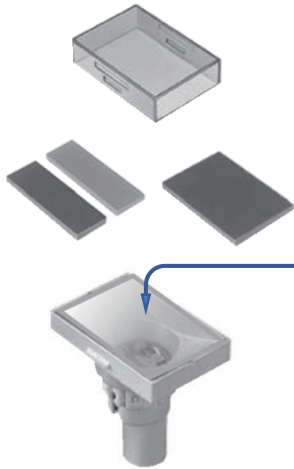
⑥ 【IP standard】 (Distinguished by the presence or absence of Transparent plate on the Cartridge base)

Transparent plate	Product code
Without	A
With	B

※ Ref. (G)

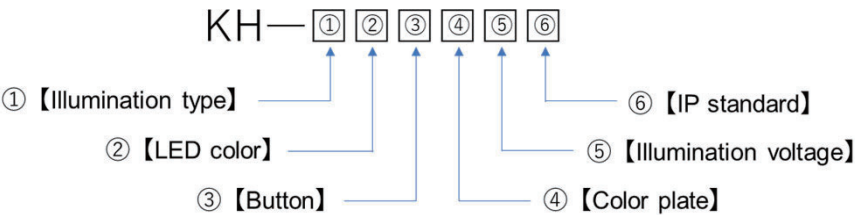


※ (F) : "Illumination voltage" Marking



※ (G) : Transparent plate

KH -Light Cartridge-

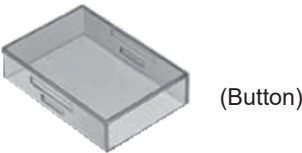


ex.) KH—W278C122B

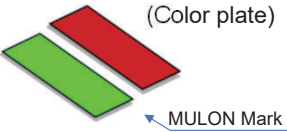
① ② ③ ④ ⑤ ⑥

① 【Illumination type】  
Rectangular, 2-Split-Face : W2

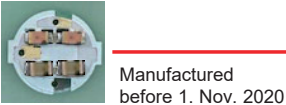
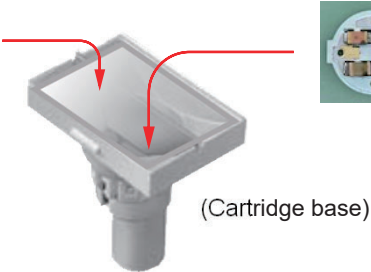
③ 【Button】 Clear : C



④ 【Color plate】 Red · Green : 12



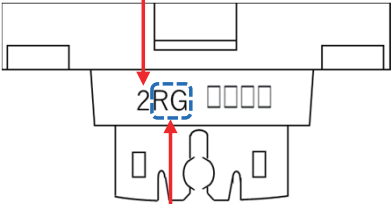
⑥ 【IP standard】  
With Transparent plate : B



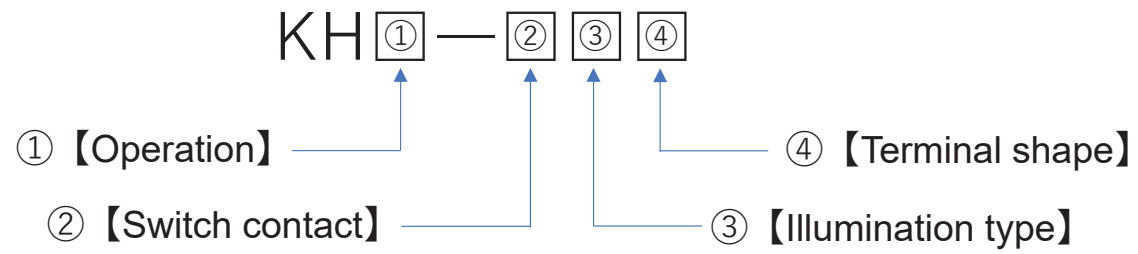
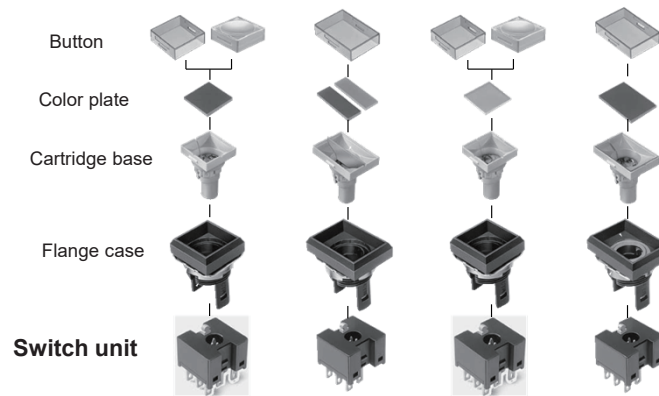
② 【LED color】 RG : 78

Manufactured on and after 1. Nov. 2020

⑤ 【Illumination voltage】 2 : 2



KH -Switch unit-



## KH -Switch unit-

KH ① — ② ③ ④

### ① 【Operation】 (Distinguished by Marking )

Marking = Product code

※ Ref. (A)

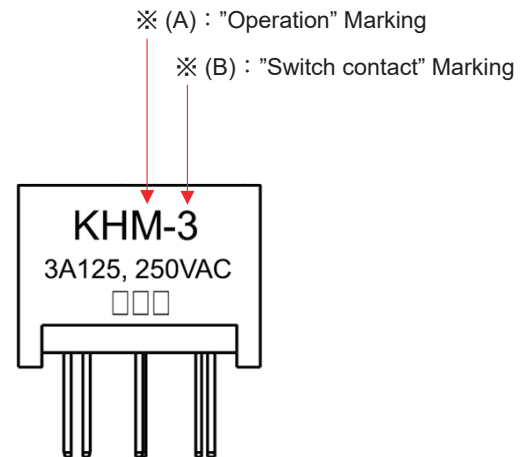
Product code
M
A
L

### ② 【Switch contact】 (Distinguished by Marking)

Marking = Product code

※ Ref. (B)

Product Code
0
3
4
5
6



KH -Switch unit-

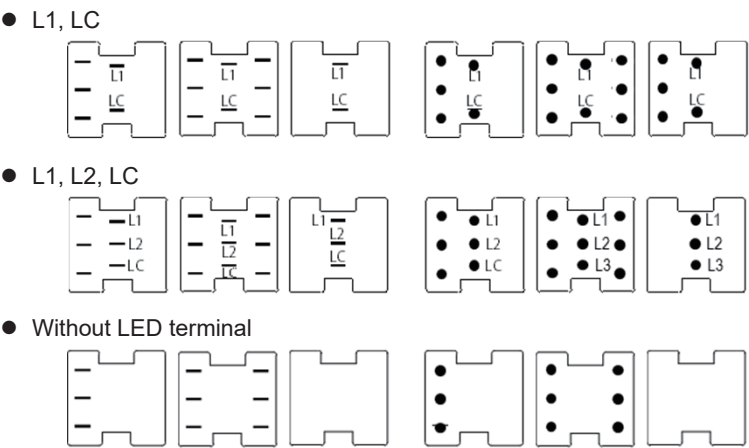
KH ① — ② ③ ④

③ 【Illumination type】 (Distinguished by LED terminal )

LED terminal	Product code
L1, LC	D
L1, L2, LC	E
without LED terminal	X

※ Ref. (C)

※ (D) : LED terminal (bottom view)

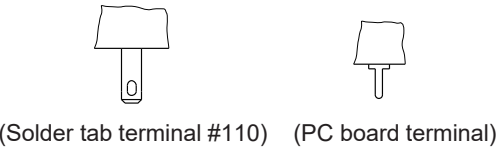


④ 【Terminal shape】 (Distinguished by Appearance )

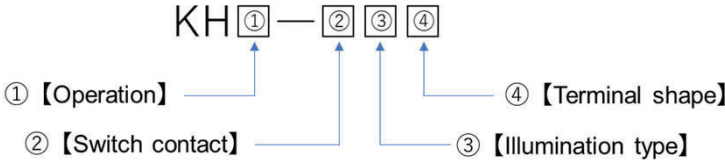
Terminal shape	Product code
Solder tab terminal #110	P
PC board terminal	C

※ Ref. (D)

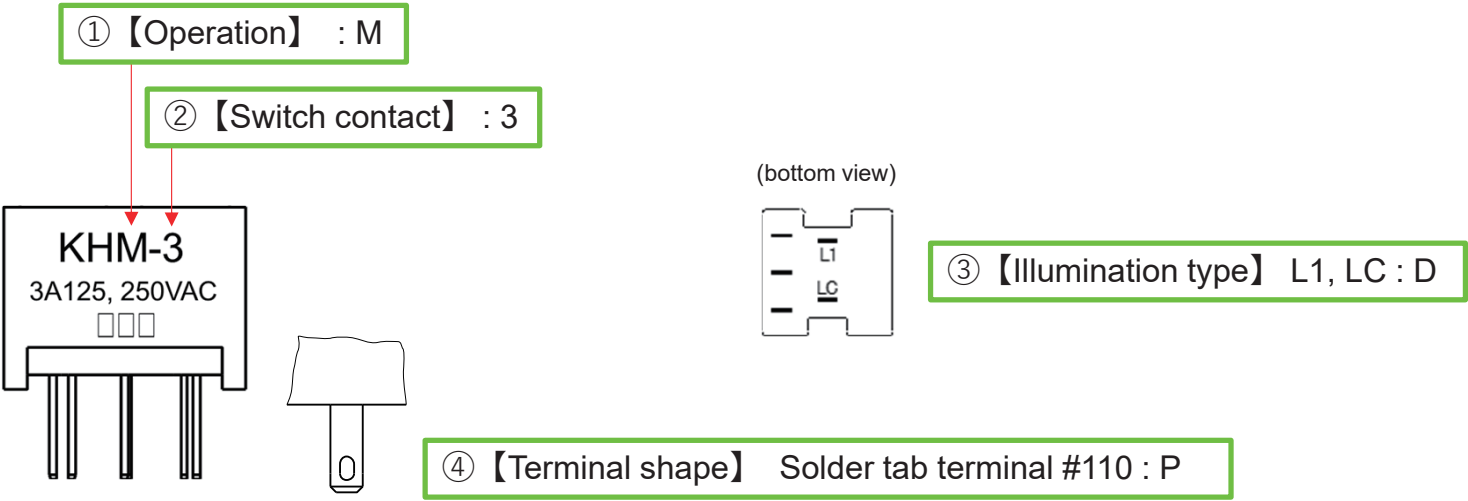
※ (D) : Terminal shape



KH -Switch unit-

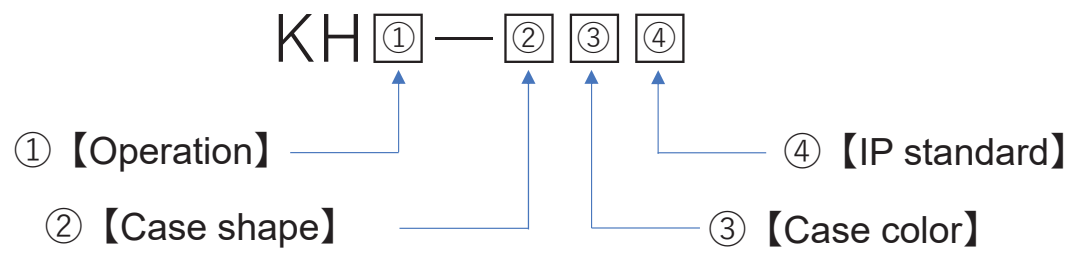
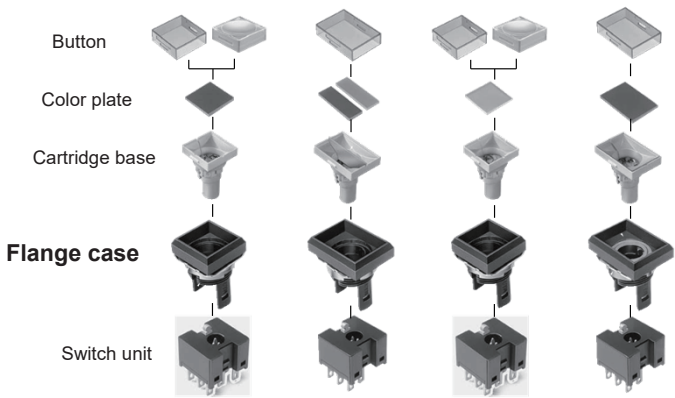


ex.) KHM—3DP  
          ①      ②③④





KH -Flange case-



KH -Flange case-

KH ① — ② ③ ④

※ (A) : Component parts (Inside of Flange case)

① 【Operation】 (Distinguished by appearance )

Component parts	Product code
Spring	S
Spacer	L

※ Ref. (A)

② 【Case shape】 (Distinguished by Appearance)

Case shape	Product code
Square	S
Rectangular	W

※ Ref. (B)

③ 【Case color】 (Distinguished by Appearance)

Case color	Product code
Black	K
Gray	H

※ Ref. (B)

④ 【IP standard】 (Distinguished by the presence or absence of rubber packing )

Rubber packing	Product code
Without	A
With	B

(Without  
Rubber packing)



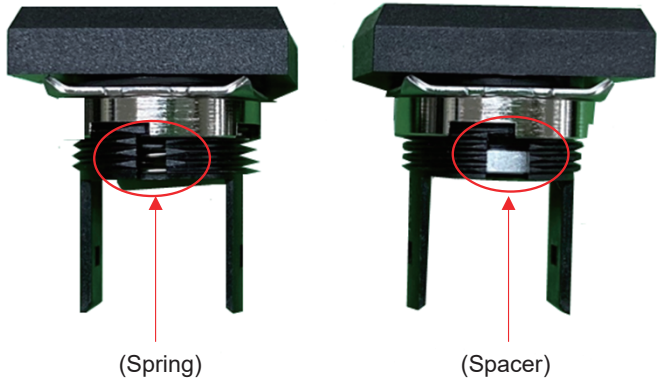
(With  
Rubber packing)



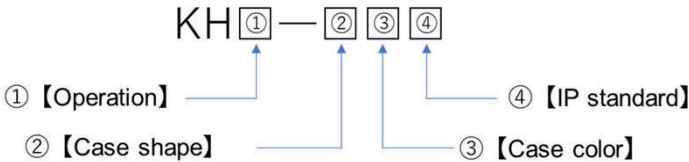
※ (B) : Flange case appearance



(Square) (Rectangular)

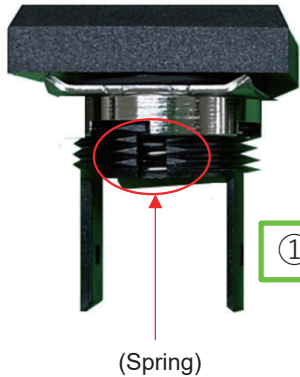


KH -Flange case-



ex.) KHS—SKA

①                      ② ③ ④



① 【Operation】 Spring : S



② 【Case shape】 Square : S

③ 【Case color】 Black : K



④ 【IP standard】 Without Rubber packing : A