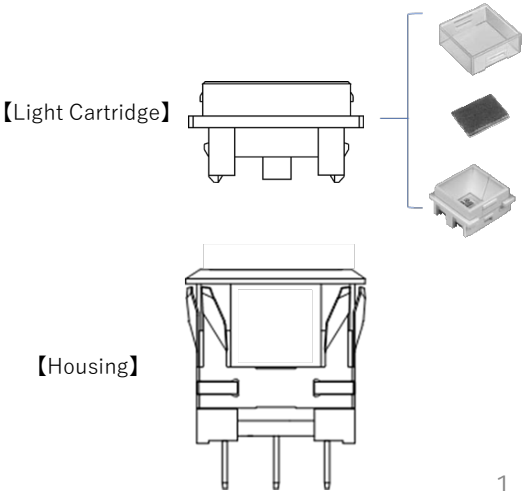
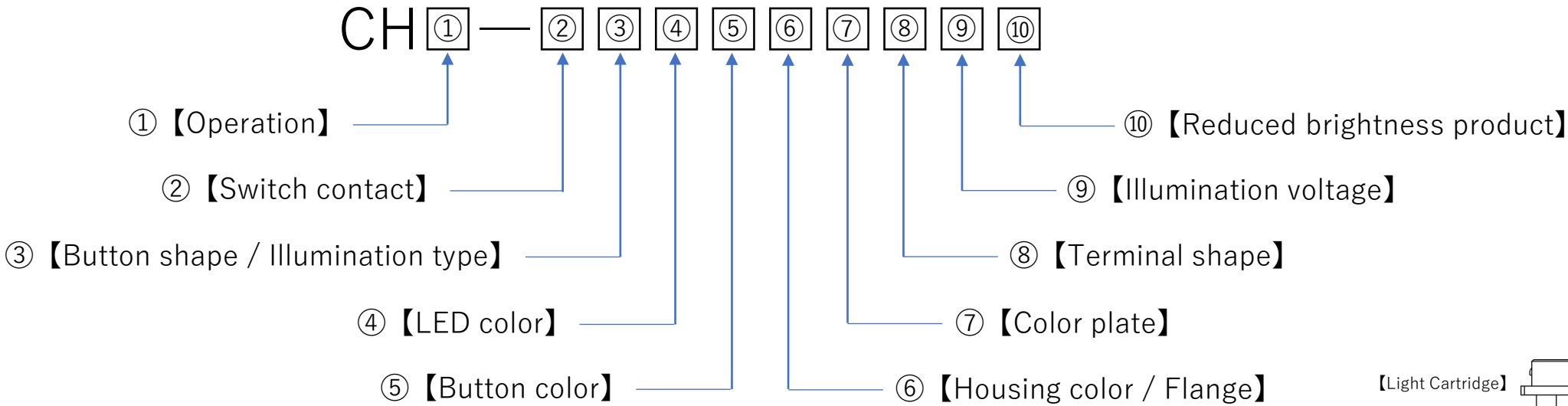


CH - Assembled Part - (Light cartridge and Housing)



CH - Assembled Part - (Light cartridge and Housing)

CH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

① 【Operation】 (Distinguished by Marking)

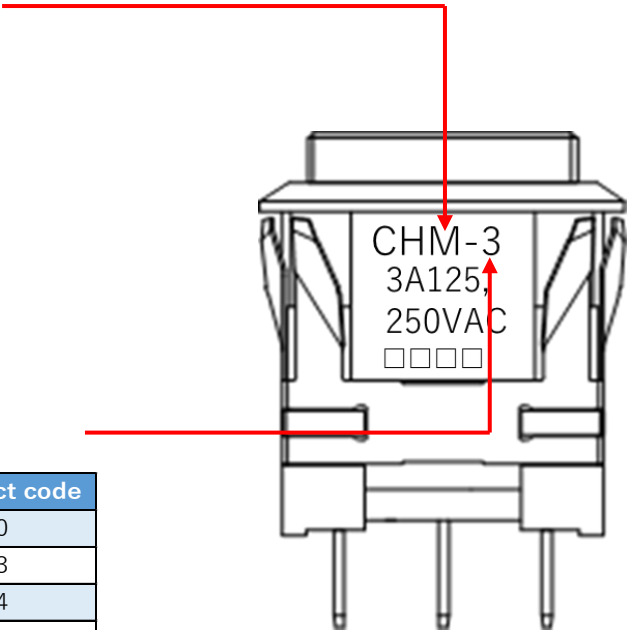
Marking = Product code

Operation	Product code
Momentary	M
Alternate	A
Indicator	L

② 【Switch contact】 (Distinguished by Marking)

Marking = Product code

Switch contact	Product code
Indicator	0
SPDT Silver (Gold-Plated)	3
DPDT Silver (Gold-Plated)	4
SPDT Crossbar	5
DPDT Crossbar	6



CH - Assembled Part - (Light cartridge and Housing)

CH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

③ 【Button shape / Illumination type】 (Distinguished by Appearance and Marking)

Button Shape		Illumination type	" LED Color" Marking	Product code
Square □13.2mm	Flat	Full-Face	"1 digit" or "Without Marking"	S0
Square □13.2mm	Flat	Full-Face	" 2 digit "	S3
Square □13.2mm	Flat	Split-Face	—	S2
Square □13.2mm	Concave	Full-Face	"1 digit" or "Without Marking"	K0
Square □13.2mm	Concave	Full-Face	" 2 digit "	K3
Square □13.2mm	Concave	Split-Face	—	K2
Rectangular	Flat	Full-Face	"1 digit" or "Without Marking"	W0
Rectangular	Flat	Full-Face	" 2 digit "	W3
Rectangular	Flat	Split-Face	—	W2
Rectangular	Concave	Full-Face	"1 digit" or "Without Marking"	N0
Rectangular	Concave	Full-Face	" 2 digit "	N3
Rectangular	Concave	Split-Face	—	N2
Square □16mm	Flat	Full-Face	"1 digit" or "Without Marking"	P0
Square □16mm	Flat	Full-Face	" 2 digit "	P3
Square □16mm	Flat	Split-Face	—	P2

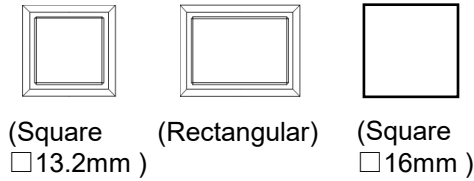
※ Ref. (A)

※ Ref. (B)

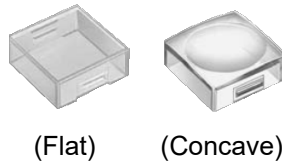
※ Ref. (C)

※ Ref. (D)

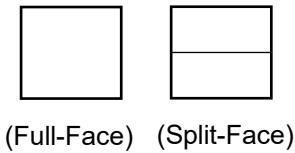
※ (A) : Button Shape



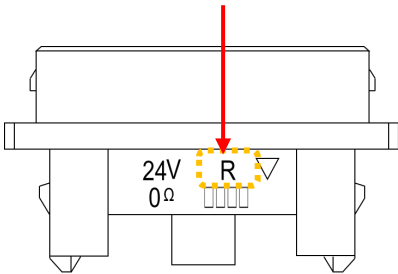
※ (B) : Button Shape



※ (C) : Illumination Type



※ (D) : "LED Color" Marking



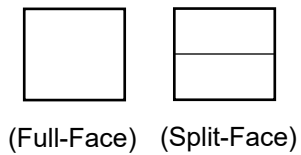
(Marking on the Light Cartridge)

CH - Assembled Part - (Light cartridge and Housing)

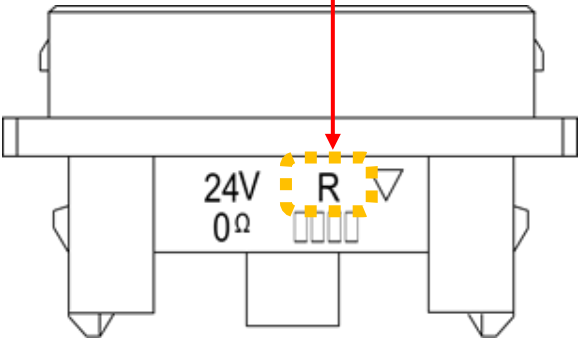
CH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

④ 【LED Color】 (Distinguished by Marking)

※ (C) : Illumination Type



※ (D) : “LED Color” Marking



(Marking on the Light Cartridge)

Illumination type
Full-Face



Marking	Product code
R	70
G	80
Y	90
B	14
W	16
M	18
RG	7080
RB	7014
RW	7016
RM	7018
GY	8090
YR	9070
YB	9014
YW	9016
YM	9018
BW	1416
WM	1618
MB	1814
(without)	X

※ Ref. (D)

Illumination type
Split-Face



Marking	Product code
RR	7070
RG	7080
RY	7090
RB	7014
RW	7016
RM	7018
GR	8070
GG	8080
GY	8090
YR	9070
YG	9080
YY	9090
YB	9014
YW	9016
YM	9018
BB	1414
BW	1416
BM	1418
BR	1470
BY	1490
WB	1614
WW	1616
WM	1618
WR	1670
WY	1690
MB	1814
MW	1816
MM	1818
MR	1870
MY	1890
(without)	XX

※ Ref. (D)

CH - Assembled Part - (Light cartridge and Housing)

CH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

⑤ 【Button color】 (Distinguished by Appearance)

Button color	Product code
Red	R
Green	G
Orange Yellow	Y
Blue	B
Milk-White	M
Clear	C

※ Ref. (E)

⑥ 【Housing color / Flange】 (Distinguished by Appearance)

Housing color		Product code
Black	With Flange	K
Gray	With Flange	H
Black	Without Flange	KN
Gray	Without Flange	HN

※ Ref. (F)

※ Ref. (G)

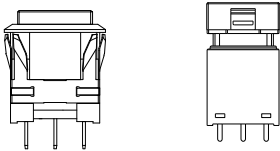
※ (F) : Housing color



(Black)

(Gray)

※ (G) : Flange



(with Flange)

(without Flange)

⑦ 【Color plate】 (Distinguished by Appearance)

Color plate	Product code
Red	1
Green	2
Orange Yellow	3
Milk-White	4
Blue	6
Lemon Yellow	8
Without Color Plate	X

※ Ref. (H)

(Full-Face)



* Product code : "1 digit "

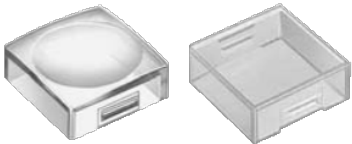
(Split-Face)



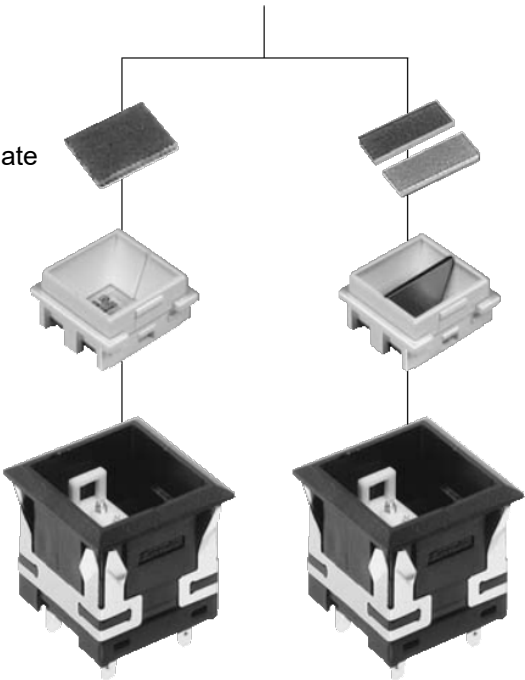
* Product code : " 2 digits " in the order of ① and ②.

← Sunmulon Mark

※ (E) : Button



※ (H) : Color plate

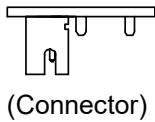
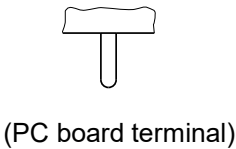
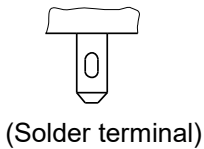


CH - Assembled Part - (Light cartridge and Housing)

CH ① — ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

⑧ 【Terminal shape】 (Distinguished by Appearance)

Terminal shape	Product code
Solder terminal	S
PC board terminal	C
Connector with Accessories	K
Connector without Accessories	N



⑨ 【Illumination voltage】 (Distinguished by Marking)

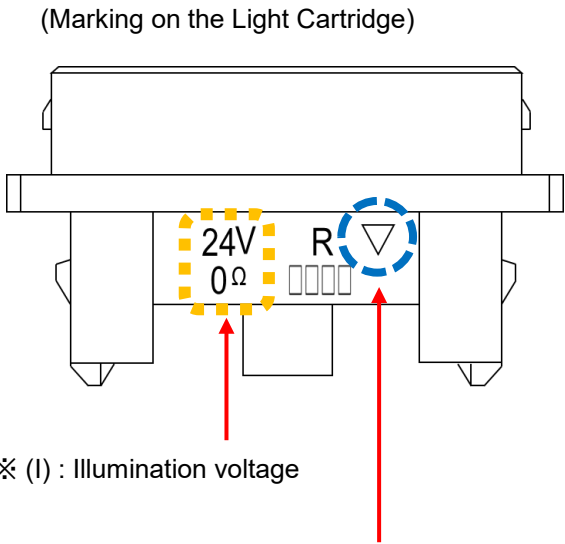
Marking	Product code
5V	1
12V	2
24V	3
5V 0Ω	4
12V 0Ω	5
24V 0Ω	6
(without)	X

※ Ref. (I)

⑩ 【Reduced brightness product】 (Distinguished by Marking)

Marking	Product code
▽	0759
(without)	Blank

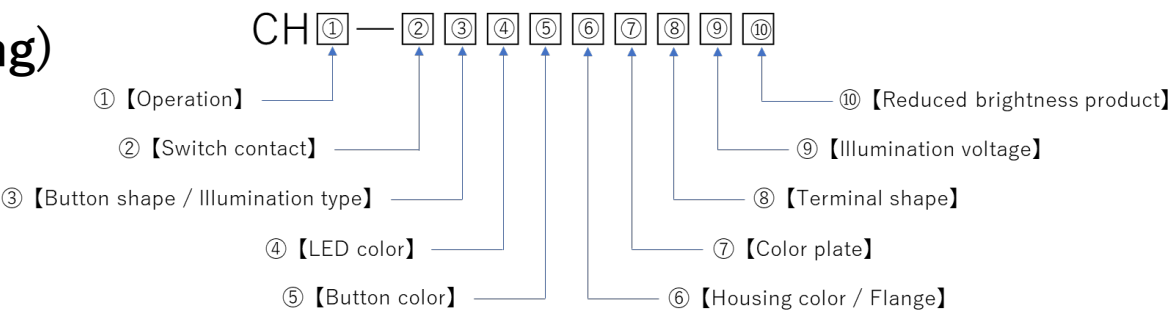
※ Ref. (J)



※ (I) : Illumination voltage

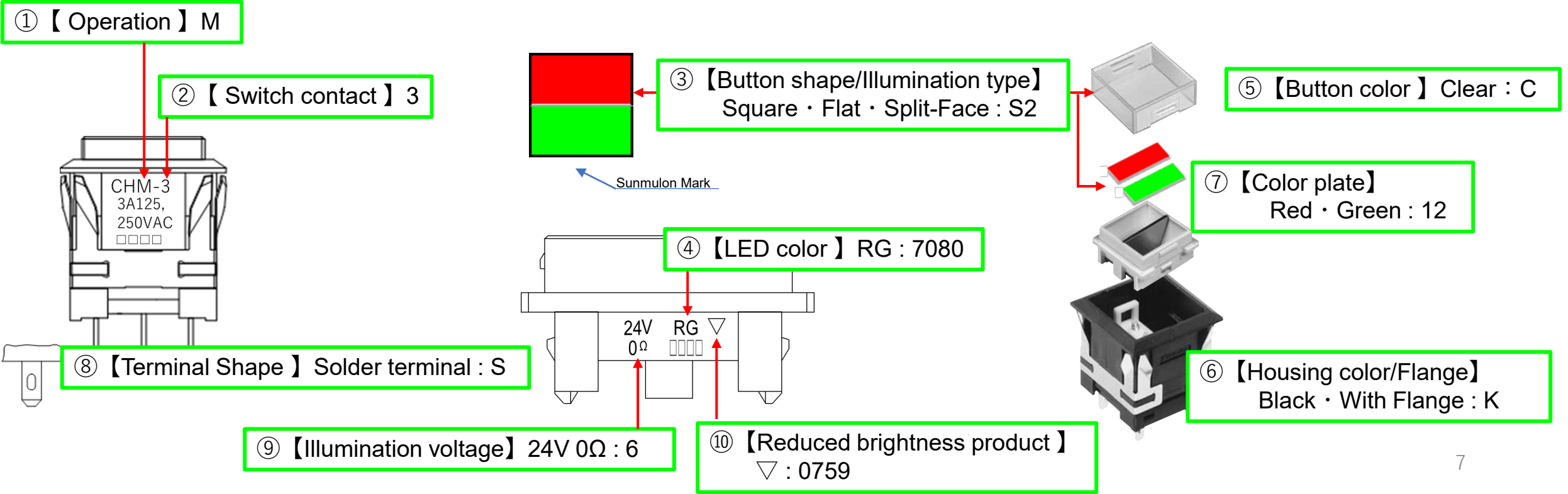
※ (J) : Reduce brightness product

CH - Assembled Part -
(Light cartridge and Housing)

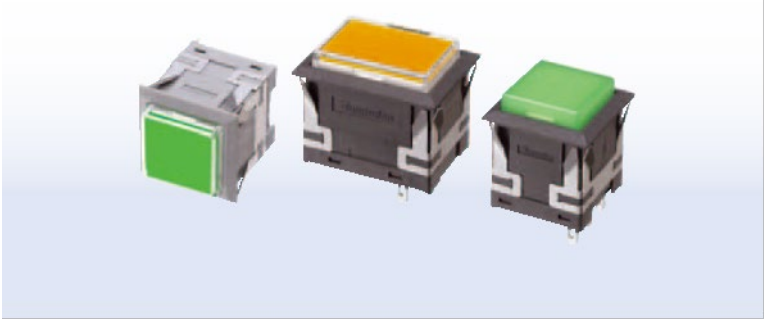


ex.) CHM—3S27080CK12S60759

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩

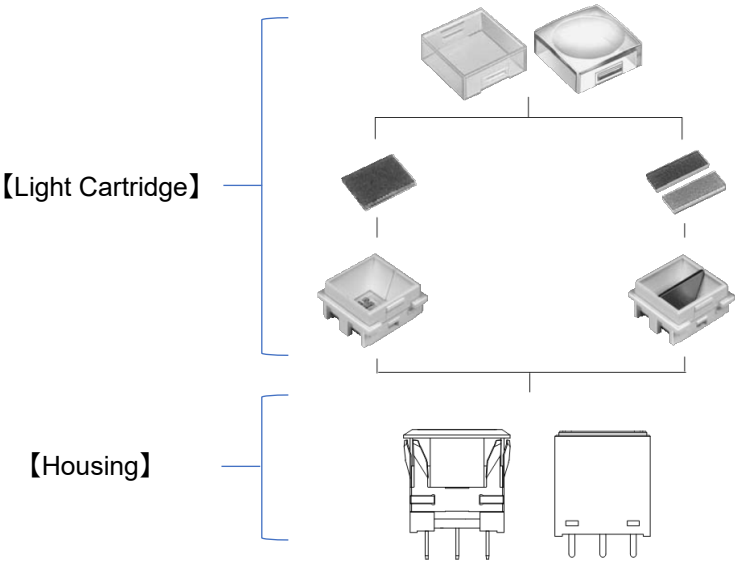


CH -Light Cartridge-



CH—①②③④⑤⑥

- ① 【Button shape / Illumination type】
- ② 【LED color】
- ③ 【Button color】
- ④ 【Color plate】
- ⑤ 【Illumination voltage】
- ⑥ 【Reduced brightness product】



CH -Light Cartridge-

CH—①②③④⑤⑥

① 【Button shape / Illumination type】 (Distinguished by Appearance and Marking)

Button Shape		Illumination type	" LED Color" Marking	Product code
Square □13.2mm	Flat	Full-Face	"1 digit" or "Without Marking"	S0
Square □13.2mm	Flat	Full-Face	" 2 digit "	S3
Square □13.2mm	Flat	Split-Face	"2 digit" or "Without Marking"	S2
Square □13.2mm	Concave	Full-Face	"1 digit" or "Without Marking"	K0
Square □13.2mm	Concave	Full-Face	" 2 digit "	K3
Square □13.2mm	Concave	Split-Face	"2 digit" or "Without Marking"	K2
Rectangular	Flat	Full-Face	"1 digit" or "Without Marking"	W0
Rectangular	Flat	Full-Face	" 2 digit "	W3
Rectangular	Flat	Split-Face	"2 digit" or "Without Marking"	W2
Rectangular	Concave	Full-Face	"1 digit" or "Without Marking"	N0
Rectangular	Concave	Full-Face	" 2 digit "	N3
Rectangular	Concave	Split-Face	"2 digit" or "Without Marking"	N2
Square □16mm	Flat	Full-Face	"1 digit" or "Without Marking"	P0
Square □16mm	Flat	Full-Face	" 2 digit "	P3
Square □16mm	Flat	Split-Face	"2 digit" or "Without Marking"	P2

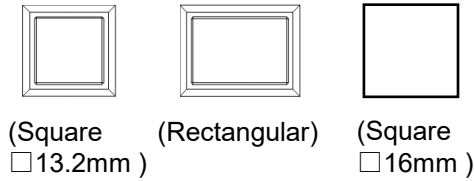
※ Ref. (A)

※ Ref. (B)

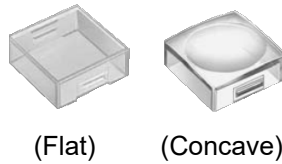
※ Ref. (C)

※ Ref. (D)

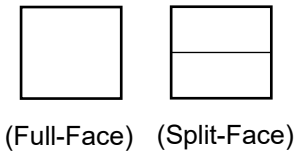
※ (A) : Button Shape



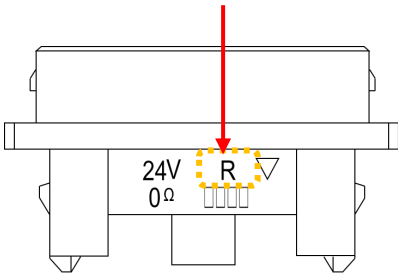
※ (B) : Button Shape



※ (C) : Illumination Type



※ (D) : "LED Color" Marking



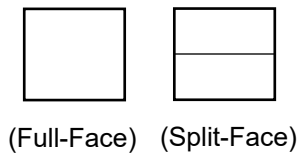
(Marking on the Cartridge base)

CH -Light Cartridge-

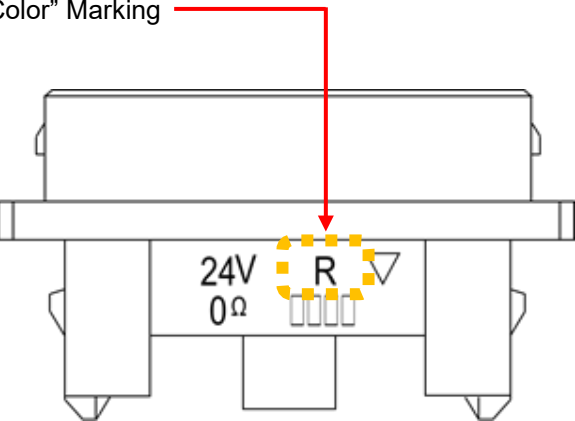
CH— ① ② ③ ④ ⑤ ⑥

② 【LED Color】 (Distinguished by Marking)

※ (C) : Illumination Type



※ (D) : “LED Color” Marking



(Marking on the Cartridge base)

Illumination type	Marking	Product code
Full-Face	R	70
Full-Face	G	80
Full-Face	Y	90
Full-Face	B	14
Full-Face	W	16
Full-Face	M	18
Full-Face	RG	7080
Full-Face	RB	7014
Full-Face	RW	7016
Full-Face	RM	7018
Full-Face	GY	8090
Full-Face	YR	9070
Full-Face	YB	9014
Full-Face	YW	9016
Full-Face	YM	9018
Full-Face	BW	1416
Full-Face	WM	1618
Full-Face	MB	1814
Full-Face	(without)	X

※ Ref. (C) ※ Ref. (D)

Illumination type	Marking	Product code
Split-Face	RR	7070
Split-Face	RG	7080
Split-Face	RY	7090
Split-Face	RB	7014
Split-Face	RW	7016
Split-Face	RM	7018
Split-Face	GR	8070
Split-Face	GG	8080
Split-Face	GY	8090
Split-Face	YR	9070
Split-Face	YG	9080
Split-Face	YY	9090
Split-Face	YB	9014
Split-Face	YW	9016
Split-Face	YM	9018
Split-Face	BB	1414
Split-Face	BW	1416
Split-Face	BM	1418
Split-Face	BR	1470
Split-Face	BY	1490
Split-Face	WB	1614
Split-Face	WW	1616
Split-Face	WM	1618
Split-Face	WR	1670
Split-Face	WY	1690
Split-Face	MB	1814
Split-Face	MW	1816
Split-Face	MM	1818
Split-Face	MR	1870
Split-Face	MY	1890
Split-Face	(without)	XX

※ Ref. (C) ※ Ref. (D)

CH -Light Cartridge-

CH— ① ② ③ ④ ⑤ ⑥

③ 【Button color】 (Distinguished by Appearance)

Button color	Product code
Red	R
Green	G
Orange Yellow	Y
Blue	B
Milk-White	M
Clear	C
(without button)	X

※ Ref. (A)

④ 【Color plate】 (Distinguished by Appearance)

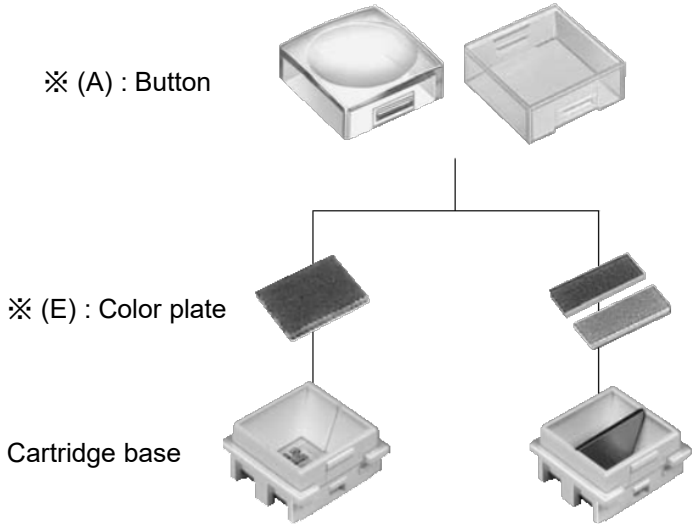
Color plate	Product code
Red	1
Green	2
Orange Yellow	3
Milk-White	4
Blue	6
Lemon Yellow	8
Without Color Plate	X

※ Ref. (E)

(Full-Face)  * Product code : "1 digit "

(Split-Face)  * Product code : " 2 digits " in the order of ① and ②.

 Sunmulon Mark



CH -Light Cartridge-

CH— ① ② ③ ④ ⑤ ⑥

⑤ 【Illumination voltage】 (Distinguished by Marking)

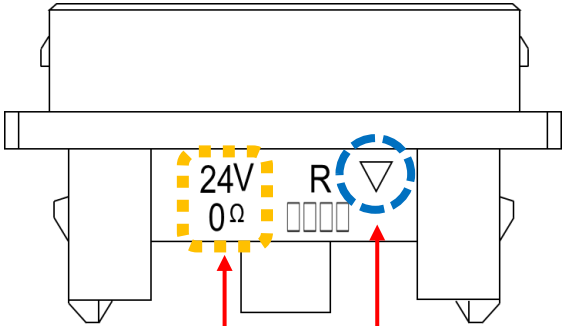
Marking	Product code	
5V	1	5V, Built-in LED current limiting resistor
12V	2	12V, Built-in LED current limiting resistor
24V	3	24V, Built-in LED current limiting resistor
5V	4	5V
0Ω		[Without LED current limiting resistor]
12V	5	12V
0Ω		[Without LED current limiting resistor]
24V	6	24V
0Ω		[Without LED current limiting resistor]
(without)	X	Without LED

※ Ref. (F)

⑥ 【Reduced brightness product】 (Distinguished by Marking)

Marking	Product code
▽	0759
(without)	Blank

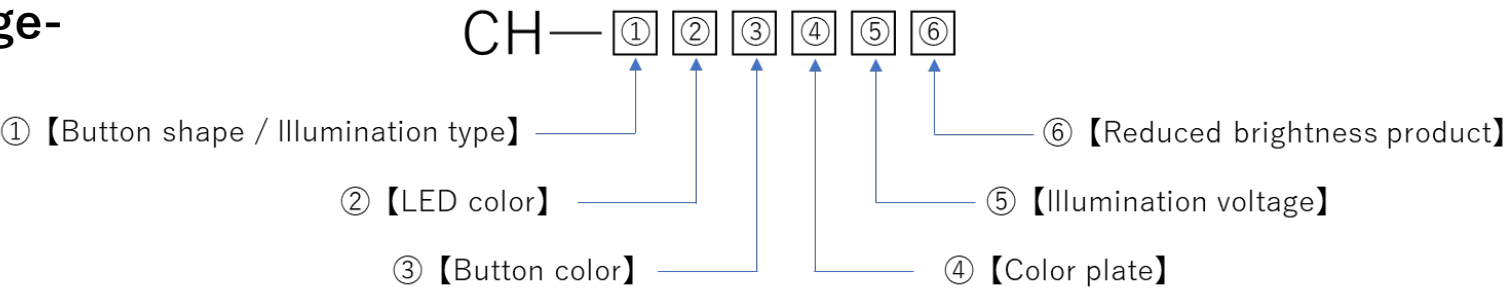
※ Ref. (G)



※ (F) : "Illumination voltage" Marking

※ (G) : "Reduce brightness" Marking

CH -Light Cartridge-



ex.) CH—S27080C1260759

①②③④⑤⑥



Sunmulon Mark

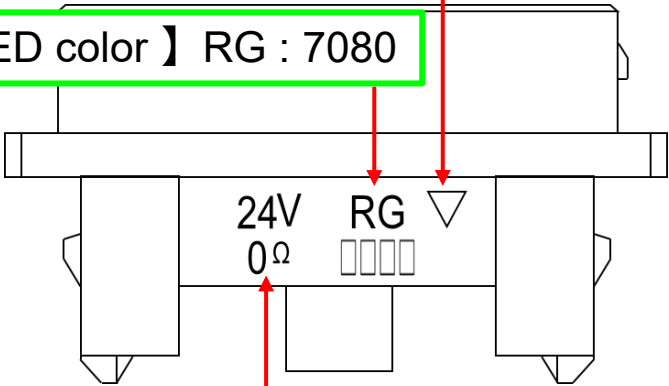
① 【Button shape/Illumination type】
□13.2mm Square · Flat · Split-Face : S2

③ 【Button color 】 Clear : C

④ 【Color plate】
Red · Green : 12

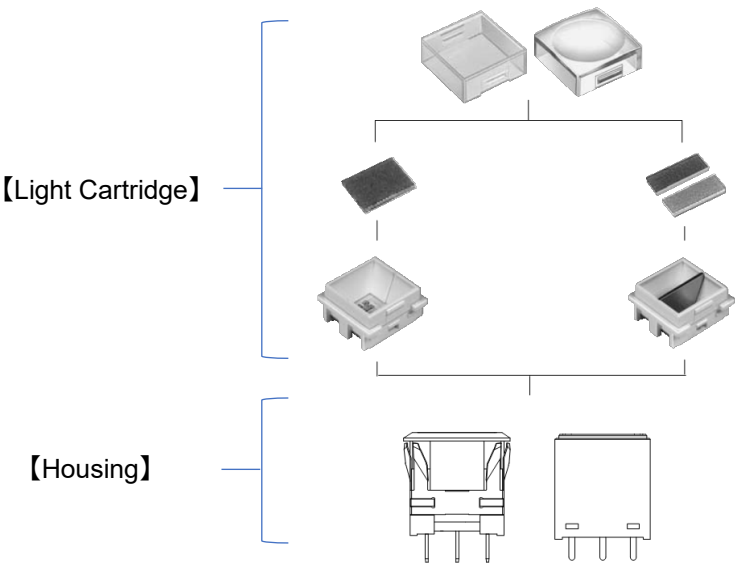
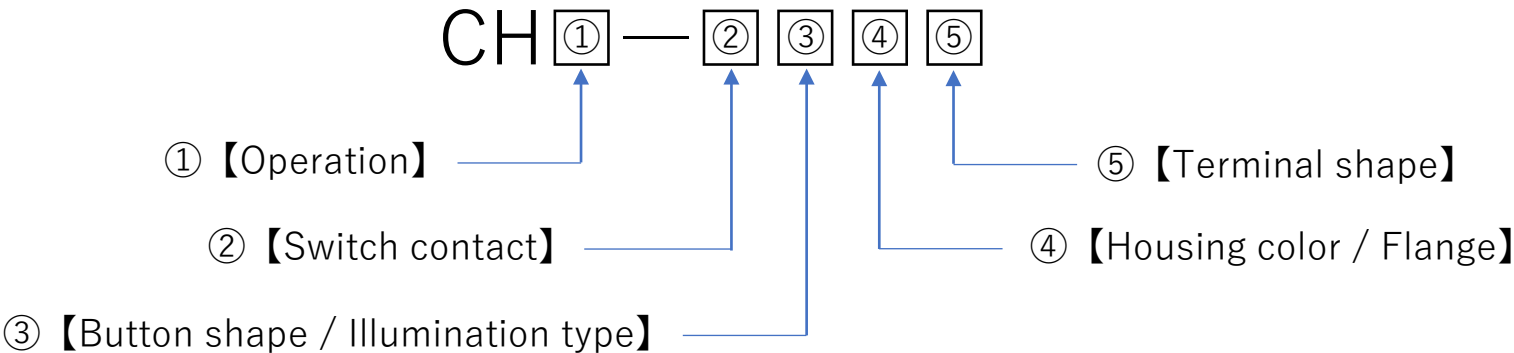
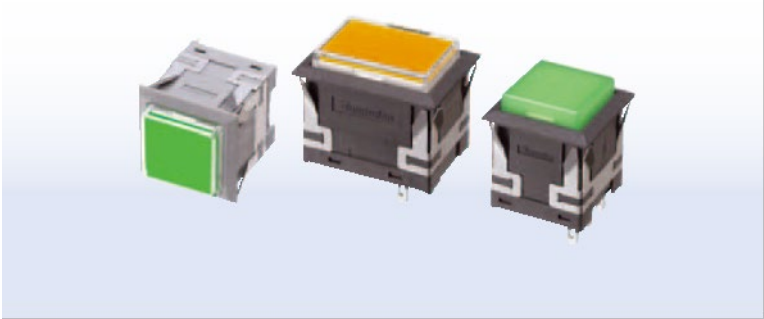
⑥Reduced brightness product
▽ : 0759

② 【LED color 】 RG : 7080



⑤ 【Illumination voltage】 24V 0Ω : 6

CH -Housing-



CH -Housing-

CH ① — ② ③ ④ ⑤

① 【Operation】 (Distinguished by Marking)

Marking = Product code

Operation	Product code
Momentary	M
Alternate	A
Indicator	L

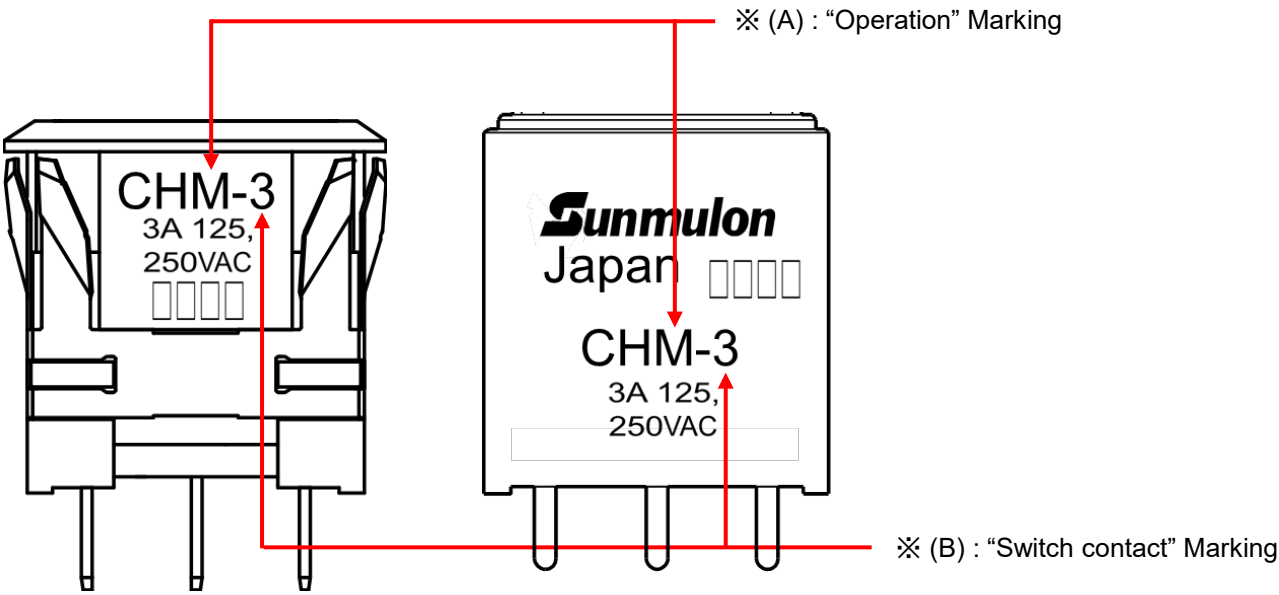
※ Ref. (A)

② 【Switch contact】 (Distinguished by Marking)

Marking = Product code

Switch contact	Product code
Indicator	0
SPDT Silver (Gold-Plated)	3
DPDT Silver (Gold-Plated)	4
SPDT Crossbar	5
DPDT Crossbar	6

※ Ref. (B)



CH -Housing-

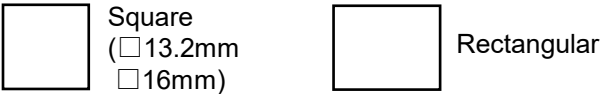
CH ① — ② ③ ④ ⑤

③ 【Button shape / Illumination type】

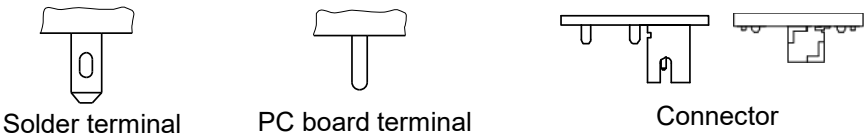
Button shape	Terminal Shape	LED terminal	Internal Spring	Continuity	Product code
Square	Solder, PC board	LC(+), L1	-	-	S0
Square	Solder, PC board	LC(+), L1, L2	-	-	S2
Square	Solder, PC board	without LED terminal	-	-	SX
Square	Connector	-	2	Short circuit	S0
Square	Connector	-	2	Open	SX
Square	Connector	-	3	-	S2
Rectangular	Solder, PC board	LC(+), L1	-	-	W0
Rectangular	Solder, PC board	LC(+), L1, L2	-	-	W2
Rectangular	Solder, PC board	without LED terminal	-	-	WX
Rectangular	Connector	-	2	Short circuit	W0
Rectangular	Connector	-	2	Open	WX
Rectangular	Connector	-	3	-	W2

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

※ (A) : Button Shape

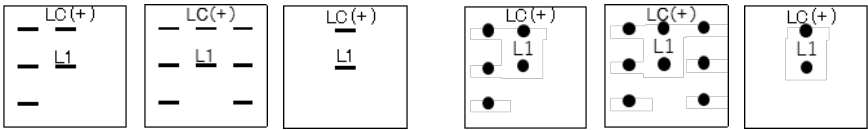


※ (B) : Terminal shape

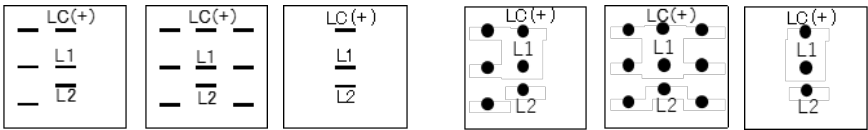


※ (C) : LED terminal (bottom view)

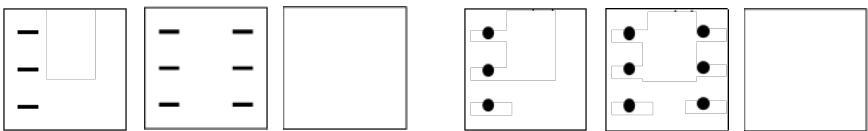
● LC(+), L1



● LC(+), L1, L2

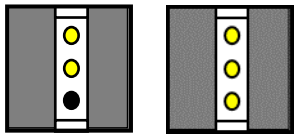


● Without LED terminal

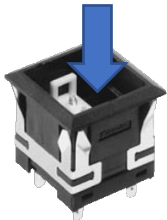


※ (D) : Internal Spring

The springs are on the bottom inside the Housing

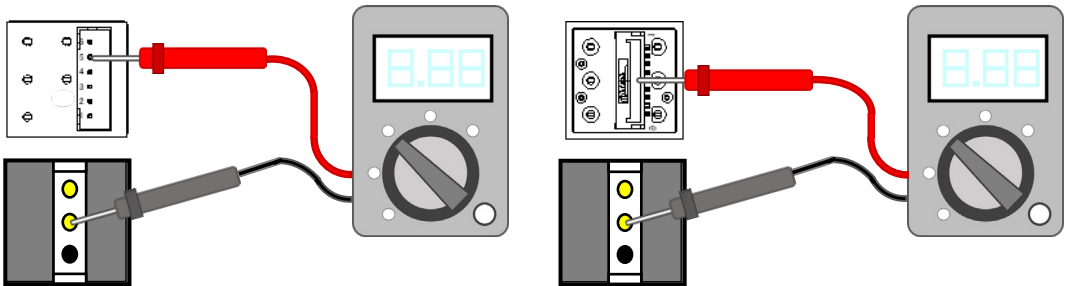


2-Spring 3-Spring



※ (E) : Continuity check

Between “#5 pin on the Connector” and “ Center Spring”



CH -Housing-

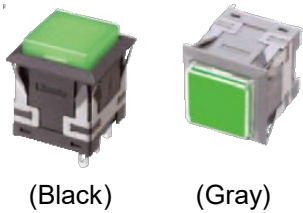
CH ① — ② ③ ④ ⑤

④ 【Housing color / Flange】 (Distinguished by Appearance)

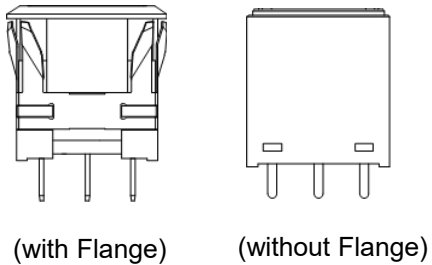
Housing color		Product code
Black	With Flange	K
Gray	With Flange	H
Black	Without Flange	KN
Gray	Without Flange	HN

※ Ref. (F) ※ Ref. (G)

※ (F) : Housing color

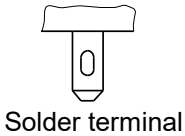


※ (G) : Flange



⑤ 【Terminal shape】 (Distinguished by Appearance)

Terminal shape	Product code
Solder terminal	S
PC board terminal	C
Connector with Accessories	K
Connector without Accessories	N
(Without terminal)	X

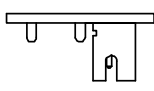


Solder terminal

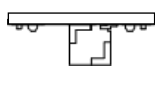


PC board terminal

(for SPDT, Indicator)

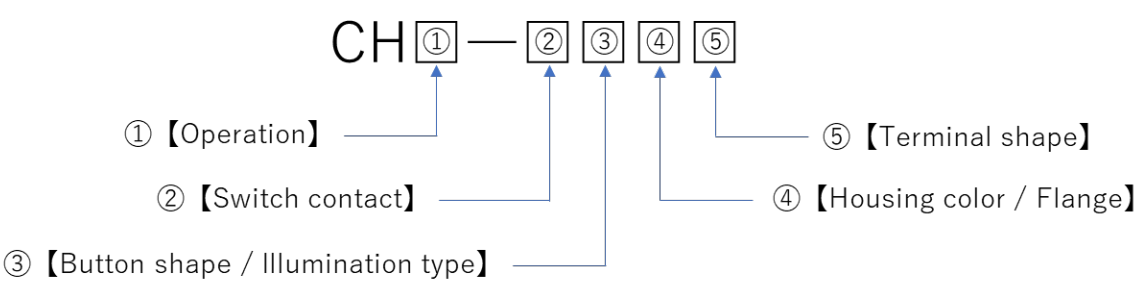


(for DPDT)



Connector

CH -Housing-

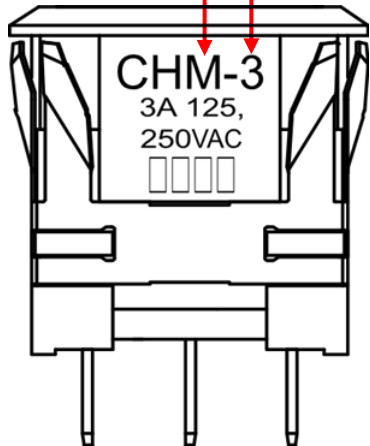


ex.) CHM—3S2KS

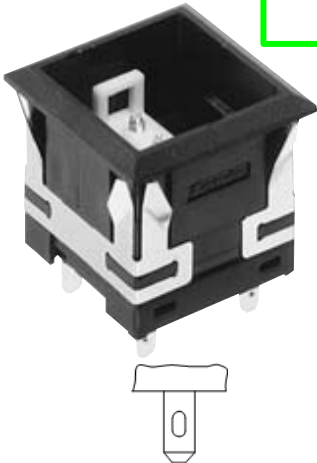
① ② ③ ④ ⑤

① 【 Operation 】 M

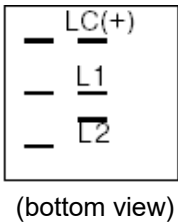
② 【 Switch contact 】 3



④ 【Housing color/Flange】
Black · With Flange : K



③ 【Button shape/Illumination type】
Square · Solder terminal · LC(+), L1, L2 terminal : S2



⑤ 【Terminal Shape】 Solder terminal : S