

Non-Illuminated Round Pushbuttons (Assembled)



Function	Contacts	Round Flush		Round Extended	
		Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel
Momentary	Operator Only	HW1B-M1-Ⓢ	HW4B-M1-Ⓢ	HW1B-M2-Ⓢ	HW4B-M2-Ⓢ
	1NO	HW1B-M1F10-Ⓢ	HW4B-M1F10-Ⓢ	HW1B-M2F10-Ⓢ	HW4B-M2F10-Ⓢ
	1NC	HW1B-M1F01-Ⓢ	HW4B-M1F01-Ⓢ	HW1B-M2F01-Ⓢ	HW4B-M2F01-Ⓢ
	1NO-1NC	HW1B-M1F11-Ⓢ	HW4B-M1F11-Ⓢ	HW1B-M2F11-Ⓢ	HW4B-M2F11-Ⓢ
	2NO	HW1B-M1F20-Ⓢ	HW4B-M1F20-Ⓢ	HW1B-M2F20-Ⓢ	HW4B-M2F20-Ⓢ
	2NC	HW1B-M1F02-Ⓢ	HW4B-M1F02-Ⓢ	HW1B-M2F02-Ⓢ	HW4B-M2F02-Ⓢ
	2NO-2NC	HW1B-M1F22-Ⓢ	HW4B-M1F22-Ⓢ	HW1B-M2F22-Ⓢ	HW4B-M2F22-Ⓢ
Maintained	Operator Only	HW1B-A1-Ⓢ	HW4B-A1-Ⓢ	HW1B-A2-Ⓢ	HW4B-A2-Ⓢ
	1NO	HW1B-A1F10-Ⓢ	HW4B-A1F10-Ⓢ	HW1B-A2F10-Ⓢ	HW4B-A2F10-Ⓢ
	1NC	HW1B-A1F01-Ⓢ	HW4B-A1F01-Ⓢ	HW1B-A2F01-Ⓢ	HW4B-A2F01-Ⓢ
	1NO-1NC	HW1B-A1F11-Ⓢ	HW4B-A1F11-Ⓢ	HW1B-A2F11-Ⓢ	HW4B-A2F11-Ⓢ
	2NO	HW1B-A1F20-Ⓢ	HW4B-A1F20-Ⓢ	HW1B-A2F20-Ⓢ	HW4B-A2F20-Ⓢ
	2NC	HW1B-A1F02-Ⓢ	HW4B-A1F02-Ⓢ	HW1B-A2F02-Ⓢ	HW4B-A2F02-Ⓢ
	2NO-2NC	HW1B-A1F22-Ⓢ	HW4B-A1F22-Ⓢ	HW1B-A2F22-Ⓢ	HW4B-A2F22-Ⓢ

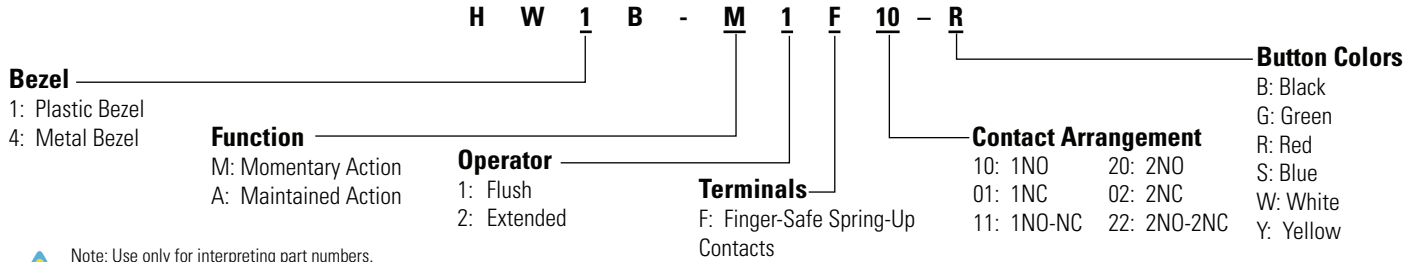
① Button Color Code

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



1. In place of Ⓢ, specify the Button Color Code from table below.
2. For nameplates and accessories, see page 677 and 680.
3. For dimensions, see page 682.
4. For contact assembly part numbers, see page 682.
5. All assembled part numbers in catalog include standard, Finger-Safe (HW-U...) contacts.
6. Operator only models include operator plus button.
7. Additional contact configurations available (up to 6 total contacts).

Part Number Structure



Note: Use only for interpreting part numbers. Do not use for developing part numbers.

Non-Illuminated Round Pushbuttons (Replacement Parts)

Contact Blocks + Mounting Adaptor + Safety Lever Lock + Anti-Rotation Ring + Operator + Button = Completed Unit



Contact Blocks

Style	Contacts	1NO	1NC
	Finger-Safe Spring-Up Terminal	HW-U10-F	HW-U01-F
		HW-U10R-F (early make)	HW-U01R-F (late break)
	Dummy Block	HW-DB	

Anti-Rotation Ring

Style	Part Number
	HW9Z-RL

Use with notched panel cutout to prevent unit rotation.

Buttons

Style	Part Number
Round Flush 	HW1A-B1-①
Round Extended 	HW1A-B2-①

1. In place of ①, specify the Button Color Code from table.

Contact Block Mounting Adaptor

Style	Part Number
	HW-CB2C

1. Used to mount contact blocks to operator.
2. IDEC strongly recommends using the safety lever lock to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.

Operators

Style		Plastic Bezel	Metal Bezel
Round Flush/ Extended 	Momentary	HW1B-M0	HW4B-M0
	Maintained 	HW1B-A0	HW4B-A0

Safety Lever Lock

Style	Part Number
	HW9Z-LS

① Button Color Code

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

Non-Illuminated Mushroom Head Pushbuttons (Assembled)



Function	Contacts	ø29mm Mushroom Head		ø40mm Mushroom Head	
		Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel
Momentary	Operator Only	HW1B-M3-①	HW4B-M3-①	HW1B-M4-①	HW4B-M4-①
	1NO	HW1B-M3F10-①	HW4B-M3F10-①	HW1B-M4F10-①	HW4B-M4F10-①
	1NC	HW1B-M3F01-①	HW4B-M3F01-①	HW1B-M4F01-①	HW4B-M4F01-①
	1NO-1NC	HW1B-M3F11-①	HW4B-M3F11-①	HW1B-M4F11-①	HW4B-M4F11-①
	2NO	HW1B-M3F20-①	HW4B-M3F20-①	HW1B-M4F20-①	HW4B-M4F20-①
	2NC	HW1B-M3F02-①	HW4B-M3F02-①	HW1B-M4F02-①	HW4B-M4F02-①
	2NO-2NC	HW1B-M3F22-①	HW4B-M3F22-①	HW1B-M4F22-①	HW4B-M4F22-①
Maintained	Operator Only	HW1B-A3-①	HW4B-A3-①	HW1B-A4-①	HW4B-A4-①
	1NO	HW1B-A3F10-①	HW4B-A3F10-①	HW1B-A4F10-①	HW4B-A4F10-①
	1NC	HW1B-A3F01-①	HW4B-A3F01-①	HW1B-A4F01-①	HW4B-A4F01-①
	1NO-1NC	HW1B-A3F11-①	HW4B-A3F11-①	HW1B-A4F11-①	HW4B-A4F11-①
	2NO	HW1B-A3F20-①	HW4B-A3F20-①	HW1B-A4F20-①	HW4B-A4F20-①
	2NC	HW1B-A3F02-①	HW4B-A3F02-①	HW1B-A4F02-①	HW4B-A4F02-①
	2NO-2NC	HW1B-A3F22-①	HW4B-A3F22-①	HW1B-A4F22-①	HW4B-A4F22-①



Function	Contacts	ø60mm Mushroom Head
		Plastic Bezel
Momentary	Operator Only	HW1B-M5-①*
	1NO	HW1B-M5F10-①*
	1NC	HW1B-M5F01-①*
	1NO-1NC	HW1B-M5F11-①*
	2NO	HW1B-M5F20-①*
	2NC	HW1B-M5F02-①*
	2NO-2NC	HW1B-M5F22-①*

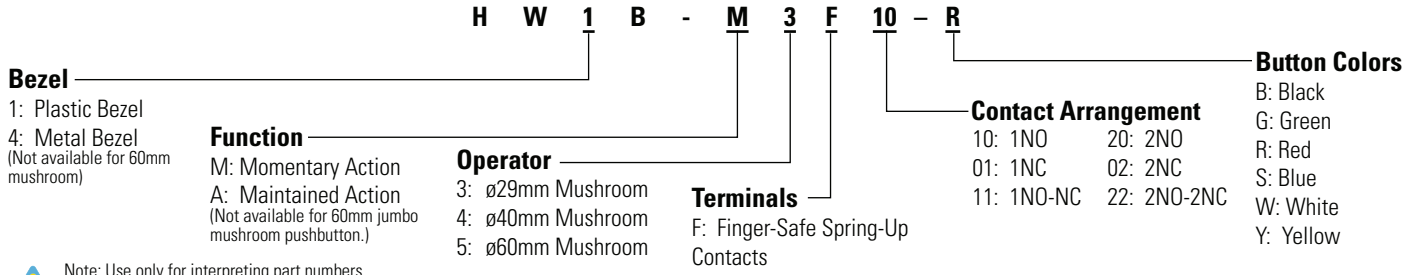
① Button Color Code

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



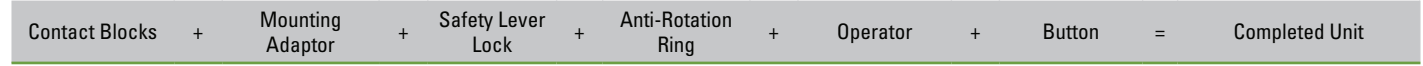
1. In place of ①, specify the Button Color Code from table.
2. *60mm mushroom available only in red, green, black, and yellow.
3. For nameplates and accessories, see page 677 and 680.
4. For dimensions, see page 682.
5. For contact assembly part numbers, see page 682.
6. All assembled part numbers in catalog include standard spring-up Finger-Safe (HW-U...) contacts.
7. Operator only models include operator plus button.
8. Additional contact configurations available (up to 6 total contacts).

Part Number Structure



Note: Use only for interpreting part numbers. Do not use for developing part numbers.

Non-Illuminated Mushroom Head Pushbuttons (Replacement Parts)



Contact Blocks

Style	Contacts	1NO	1NC
	Finger-Safe Spring-Up Terminal	HW-U10-F	HW-U01-F
		HW-U10R-F (early make)	HW-U01R-F (late break)
	Dummy Block	HW-DB	

Safety Lever Lock

Style	Part Number
	HW9Z-LS

Anti-Rotation Ring

Appearance	Part Number
	HW9Z-RL

Buttons

Style	Part Number
ø29mm Mushroom Cap	HW1A-B3-Ⓢ
ø40mm Mushroom Cap	HW1A-B4-Ⓢ

Contact Block Mounting Adaptor

Style	Part Number
	HW-CB2C

- 1. Used to mount contact blocks to operator.
- 2. IDEC strongly recommends using the safety lever lock to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.

Operators

Style		Plastic Bezel	Metal Bezel
ø29mm Mushroom ø40mm Mushroom	Momentary	HW1B-M0L	HW4B-M0L
	Maintained	HW1B-A0L	HW4B-A0L
Ø60mm Jumbo Mushroom	Momentary	HW1B-M5-Ⓢ*	—

- 1. *60mm mushroom operator includes non-removable button (available in red, black, green and yellow only).
- 2. For nameplates and accessories, see page 677 and 680.
- 3. For dimensions, see page 682.

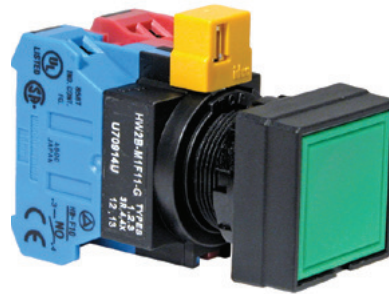
- 1. In place of Ⓢ, specify the Button Color Code from table.

Ⓢ Button Color Code

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

- HW1B-M5 available only in black, red, green and yellow.

Non-Illuminated Square Pushbuttons (Assembled)



Function	Contacts	Square Flush	Square Extended
		Plastic Bezel	Plastic Bezel
Momentary	<i>Operator Only</i>	HW2B-M1-①	HW2B-M2-①
	1NO	HW2B-M1F10-①	HW2B-M2F10-①
	1NC	HW2B-M1F01-①	HW2B-M2F01-①
	1NO-1NC	HW2B-M1F11-①	HW2B-M2F11-①
	2NO	HW2B-M1F20-①	HW2B-M2F20-①
	2NC	HW2B-M1F02-①	HW2B-M2F02-①
	2NO-2NC	HW2B-M1F22-①	HW2B-M2F22-①
Maintained	<i>Operator Only</i>	HW2B-A1-①	HW2B-A2-①
	1NO	HW2B-A1F10-①	HW2B-A2F10-①
	1NC	HW2B-A1F01-①	HW2B-A2F01-①
	1NO-1NC	HW2B-A1F11-①	HW2B-A2F11-①
	2NO	HW2B-A1F20-①	HW2B-A2F20-①
	2NC	HW2B-A1F02-①	HW2B-A2F02-①
	2NO-2NC	HW2B-A1F22-①	HW2B-A2F22-①

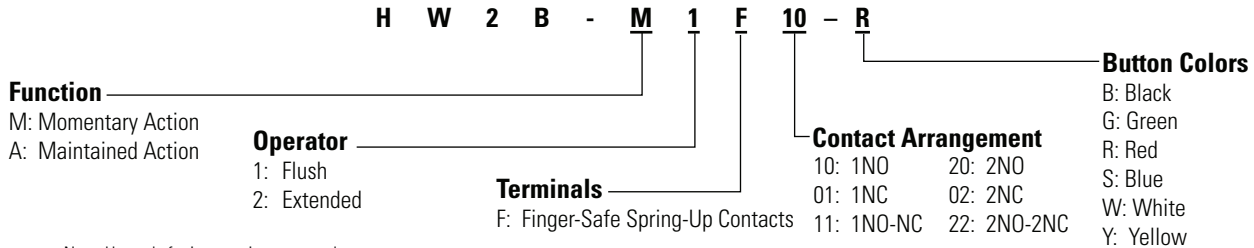
① Button Color Code

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



1. In place of ①, specify the Button Color Code from table.
2. For nameplates and accessories, see page 677 and 680.
3. For dimensions, see page 682.
4. For contact assembly part numbers, see page 682.
5. Square pushbuttons available in plastic bezel only.
6. All assembled part numbers in catalog include finger-safe spring-up (HW-U...) contacts.
7. Operator only model includes operator and button.
8. Additional contact configurations available (up to 6 total contacts).

Part Number Structure



Note: Use only for interpreting part numbers. Do not use for developing part numbers.

Non-Illuminated Square Pushbuttons (Replacement Parts)

Contact Blocks + Mounting Adaptor + Safety Lever Lock + Anti-Rotation Ring + Operator + Button = Completed Unit



Contact Blocks

Style	Contacts	1NO	1NC
	Finger-Safe Spring-Up Terminal	HW-U10-F	HW-U01-F
		HW-U10R-F (early make)	HW-U01R-F (late break)
	Dummy Block	HW-DB	

Contact Block Mounting Adaptor

Style	Part Number
	HW-CB2C

- 1. Used to mount contact blocks to operator.
- 2. IDEC strongly recommends using the safety lever lock to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.

Safety Lever Lock

Style	Part Number
	HW9Z-LS

Anti-Rotation Ring

Appearance	Part Number
	HW9Z-RL

- Use with notched panel cutout to prevent unit rotation.

Operators

Style	Plastic Bezel
	Momentary HW2B-M0
	Maintained HW2B-A0

- 2. For nameplates and accessories, see pages 677 and 680.
- 3. For dimensions, see page 682.

Buttons

Style	Part Number
Square Flush 	HW2A-B1-Ⓢ
Square Extended 	HW2A-B2-Ⓢ

- 1. In place of Ⓢ, specify the Button Color Code from table.

Ⓢ Button Color Code

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

Non-Illuminated E-Stop Pushbuttons (Assembled)



Contacts	Ø29mm Head Pushlock Turn Reset		Ø40mm Head Pushlock Turn Reset	
	Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel
<i>Operator Only</i>	HW1B-V3Ⓞ†	HW4B-V3Ⓞ†	HW1B-V4Ⓞ†	HW4B-V4Ⓞ†
1NO	HW1B-V3F10-Ⓞ†	HW4B-V3F10-Ⓞ†	HW1B-V4F10-Ⓞ†	HW4B-V4F10-Ⓞ†
1NC	HW1B-V3F01-Ⓞ†	HW4B-V3F01-Ⓞ†	HW1B-V4F01-Ⓞ†	HW4B-V4F01-Ⓞ†
1NO-1NC	HW1B-V3F11-Ⓞ†	HW4B-V3F11-Ⓞ†	HW1B-V4F11-Ⓞ†	HW4B-V4F11-Ⓞ†
2NO	HW1B-V3F20-Ⓞ†	HW4B-V3F20-Ⓞ†	HW1B-V4F20-Ⓞ†	HW4B-V4F20-Ⓞ†
2NC	HW1B-V3F02-Ⓞ†	HW4B-V3F02-Ⓞ†	HW1B-V4F02-Ⓞ†	HW4B-V4F02-Ⓞ†



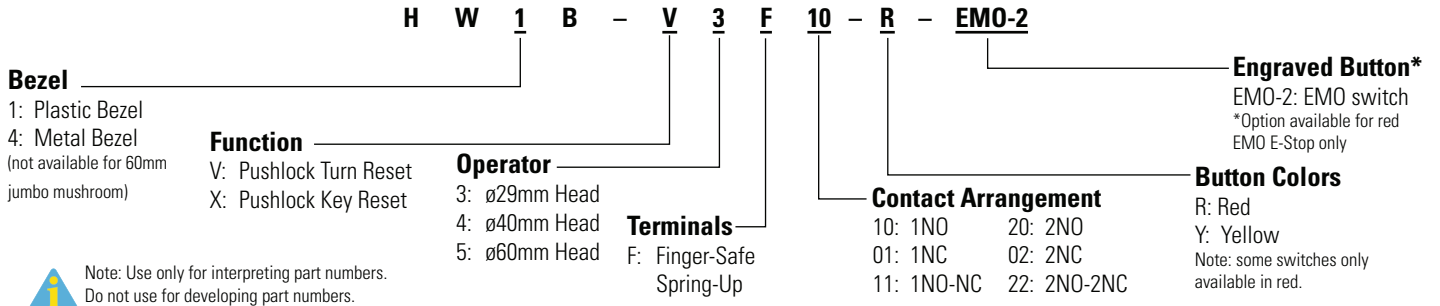
Contacts	Ø40mm Head EMO Pushlock Turn Reset		Ø40mm Head Pushlock Key Reset	
	Plastic Bezel	Metal Bezel	Plastic Bezel	Metal Bezel
<i>Operator Only</i>	HW1B-V4R-EMO-2*	HW4B-V4R-EMO-2*	HW1B-X4R*	HW4B-X4R*
1NO	HW1B-V4F10-R-EMO-2*	HW4B-V4F10-R-EMO-2*	HW1B-X4F10-R*	HW4B-X4F10-R*
1NC	HW1B-V4F01-R-EMO-2*	HW4B-V4F01-R-EMO-2*	HW1B-X4F01-R*	HW4B-X4F01-R*
1NO-1NC	HW1B-V4F11-R-EMO-2*	HW4B-V4F11-R-EMO-2*	HW1B-X4F11-R*	HW4B-X4F11-R*
2NO	HW1B-V4F20-R-EMO-2*	HW4B-V4F20-R-EMO-2*	HW1B-X4F20-R*	HW4B-X4F20-R*
2NC	HW1B-V4F02-R-EMO-2*	HW4B-V4F02-R-EMO-2*	HW1B-X4F02-R*	HW4B-X4F02-R*



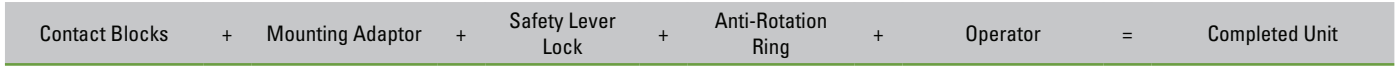
- * Available in Red only.
- † Available in red or yellow. Insert color code in place of Ⓞ (R: Red, Y: Yellow).
- For accessories, see page 680.
- For dimensions, see page 682.
- For nameplates and shrouds, see page 682.
- For contact assembly part numbers, see page 682.
- All HW series E-stops comply with EN60947-5-5, the IEC "E-Stop Addendum to the Low Voltage Directive," this includes "tamper proof" operation whereby a change of contact state is not possible by "teasing" or "floating" the operator.
- All assembled part numbers in catalog include standard finger-safe spring-up (HW-U...) contacts.
- Operator only models include operator and button.
- Additional contact configurations available (up to 6 total contacts).

Contacts	ø60mm Head Pushlock Turn Reset
	Plastic Bezel
<i>Operator Only</i>	HW1B-V5R*
1NO	HW1B-V5F10-R*
1NC	HW1B-V5F01-R*
1NO-1NC	HW1B-V5F11-R*
2NO	HW1B-V5F20-R*
2NC	HW1B-V5F02-R*

Part Number Structure



Non-Illuminated E-Stop Pushbuttons (Replacement Parts)



Contact Blocks

Style	Contacts	1NO	1NC
	Finger-Safe Spring-Up Terminal	HW-U10-F	HW-U01-F
		HW-U10R-F (early make)	HW-U01R-F (late break)
	Dummy Block	HW-DB	

Safety Lever Lock

Style	Part Number
	HW9Z-LS

Anti-Rotation Ring

Appearance	Part Number
	HW9Z-RL

Use with notched panel cutout to prevent unit rotation.

Contact Block Mounting Adaptor

Style	Part Number
	HW-CB2C

- Used to mount contact blocks to operator.
- IEDEC strongly recommends using the safety lever lock to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.

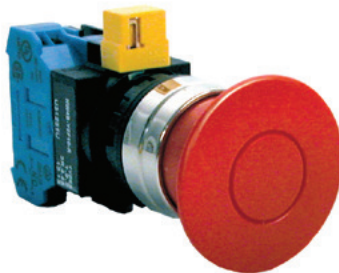
Operators

Style	Plastic		Metal
	red	HW1B-V3R	HW4B-V3R
	yellow	HW1B-V3Y	HW4B-V3Y
	red	HW1B-V4R	HW4B-V4R
	yellow	HW1B-V4Y	HW4B-V4Y
	HW1B-V4R-EMO-2		HW4B-V4R-EMO-2
	HW1B-X4R		HW4B-X4R
	HW1B-V5R		-

- * Available in red only.
- All E-Stop buttons are not removable from the operator.

Note: Determine mounting centers to ensure proper spacing.

Push Pull & Unibody E-Stop Pushbuttons (Assembled)



ø40mm Head Push-Pull

Contacts	Plastic Bezel	Metal Bezel
Operator Only (Red)	HW1B-Y2R	HW4B-Y2R
Operator Only (Yellow)	HW1B-Y2Y	HW4B-Y2Y
1NO	HW1B-Y2F10-Ⓣ†	HW4B-Y2F10-Ⓣ†
1NC	HW1B-Y2F01-Ⓣ†	HW4B-Y2F01-Ⓣ†
1NO-1NC	HW1B-Y2F11-Ⓣ†	HW4B-Y2F11-Ⓣ†
2NC	HW1B-Y2F02-Ⓣ†	HW4B-Y2F02-Ⓣ†
2NO	HW1B-Y2F20-Ⓣ†	HW4B-Y2F20-Ⓣ†

ø40mm Unibody Pushlock Turn Reset*

Contacts	Plastic Bezel
1NO-1NC	HW1E-BV4F11-R
2NC	HW1E-BV4F02-R
1NO-2NC*	HW1E-BV412R-TK2093-1



* NO contact is used as a monitoring contact

Unibody Illuminated E-Stops*

Contacts	LED
1NO-1NC	HW1E-LV4F11QD-R-Ⓣ
2NC	HW1E-LV4F02QD-R-Ⓣ
2NC (with push-on illumination)	HW1E-TV4F02QD-R-Ⓣ
1NO-1NC (with push-on illumination)	HW1E-TV4F11QD-R-Ⓣ

③ Full Voltage LED Code

Voltage	Code
6VAC/DC	6V
12VAC/DC	12V
24VAC/DC	24V
120V AC	120V
240V AC	240V

Terminal Numbering (Unibody only)

Models	Terminal Number
1NO-1NC	NO = 13/14, NC = 11/12
2NC	NC = 11/12, NC = 21/22
HW1E-L HW1E-T	LED + = X2, LED - = X1



- * Available in Red only.
- † Available in red or yellow. Insert color code in place of Ⓣ (R: Red, Y: Yellow).
- In place of Ⓣ, specify Full Voltage LED Code.
- With single unit construction, the positive action contacts are integrated in the body of the switch. This provides an extra degree of safety and reliability for critical emergency stop functions.
- In the illuminated version, the light is independent of the switch action (except push-on LED model).
- For accessories, see page 680.
- For dimensions, see page 682.
- For nameplates and shrouds, see page 680.
- For contact assembly part numbers, see page 680.
- All HW Series E-Stop operators include non-removable color caps.
- All HW series E-Stops comply with EN60947-5-5, the IEC "E-Stop Addendum to the Low Voltage Directive," this includes "tamper proof" operation whereby a change of contact state is not possible by "teasing" or "floating" the operator.
- All HW series E-Stop switches comply with SEMI S2 standards.
- All assembled part numbers in catalog include standard finger-safe spring-up (HW-U...) contacts.
- Additional contact configurations available (up to 6 total contacts).