



HW: The Best Engineered Switch in the World

Key features include:

- Locking lever removable contact blocks
- Finger-safe IP20 contacts as standard, other terminal styles available
- Tamperproof construction
- All E-stops meet EN418 and are compliant with SEMI S2 standards
- Worldwide approvals
- Easy to assemble
- Available assembled or as sub-components
- Choice of black plastic or metallic front bezels
- Incandescent or LED illumination
- Transformer or full voltage
- Slow make double break self cleaning contacts

IDEC's HW switches are "The best engineered switch in the world" for a reason. Carrying the CE mark, UL, CSA, and TUV approvals, these switches are designed for use in almost any part of the world.

Complete with finger-safe contact blocks offering IP20 protection, these 7/8" (22mm) switches include illuminated and non-illuminated pushbuttons, pilot lights, selector switches, and emergency stop switches.

All switches also incorporate mechanically keyed safety locking levers, ensuring correct installation and maintaining safety in high-vibration applications.



File No. E68961










File No. LR92374



Registration No. R9551089 (E-stops)
 Registration No. J9551458 (all other switches)
 Registration No. J9650511 (Pilot Lights)

Non-Illuminated Pushbuttons (Assembled)

Part Numbers: Non-Illuminated Pushbuttons

Style	Contact	Plastic Bezel		Metal Bezel	
		Momentary	Maintained	Momentary	Maintained
Round Flush 	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC	HW1B-M1F10-① HW1B-M1F01-① HW1B-M1F11-① HW1B-M1F20-① HW1B-M1F02-① HW1B-M1F22-①	HW1B-A1F10-① HW1B-A1F01-① HW1B-A1F11-① HW1B-A1F20-① HW1B-A1F02-① HW1B-A1F22-①	HW4B-M1F10-① HW4B-M1F01-① HW4B-M1F11-① HW4B-M1F20-① HW4B-M1F02-① HW4B-M1F22-①	HW4B-A1F10-① HW4B-A1F01-① HW4B-A1F11-① HW4B-A1F20-① HW4B-A1F02-① HW4B-A1F22-①
Round Extended 	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC	HW1B-M2F10-① HW1B-M2F01-① HW1B-M2F11-① HW1B-M2F20-① HW1B-M2F02-① HW1B-M2F22-①	HW1B-A2F10-① HW1B-A2F01-① HW1B-A2F11-① HW1B-A2F20-① HW1B-A2F02-① HW1B-A2F22-①	HW4B-M2F10-① HW4B-M2F01-① HW4B-M2F11-① HW4B-M2F20-① HW4B-M2F02-① HW4B-M2F22-①	HW4B-A2F10-① HW4B-A2F01-① HW4B-A2F11-① HW4B-A2F20-① HW4B-A2F02-① HW4B-A2F22-①
29mm Mushroom Head 	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC	HW1B-M3F10-① HW1B-M3F01-① HW1B-M3F11-① HW1B-M3F20-① HW1B-M3F02-① HW1B-M3F22-①	HW1B-A3F10-① HW1B-A3F01-① HW1B-A3F11-① HW1B-A3F20-① HW1B-A3F02-① HW1B-A3F22-①	HW4B-M3F10-① HW4B-M3F01-① HW4B-M3F11-① HW4B-M3F20-① HW4B-M3F02-① HW4B-M3F22-①	HW4B-A3F10-① HW4B-A3F01-① HW4B-A3F11-① HW4B-A3F20-① HW4B-A3F02-① HW4B-A3F22-①
40mm Mushroom Head 	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC	HW1B-M4F10-① HW1B-M4F01-① HW1B-M4F11-① HW1B-M4F20-① HW1B-M4F02-① HW1B-M4F22-①	HW1B-A4F10-① HW1B-A4F01-① HW1B-A4F11-① HW1B-A4F20-① HW1B-A4F02-① HW1B-A4F22-①	HW4B-M4F10-① HW4B-M4F01-① HW4B-M4F11-① HW4B-M4F20-① HW4B-M4F02-① HW4B-M4F22-①	HW4B-A4F10-① HW4B-A4F01-① HW4B-A4F11-① HW4B-A4F20-① HW4B-A4F02-① HW4B-A4F22-①
60mm Jumbo Mushroom Head 	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC	HW1B-M5F10-①* HW1B-M5F01-①* HW1B-M5F11-①* HW1B-M5F20-①* HW1B-M5F02-①* HW1B-M5F22-①*	—	—	—
Square Flush 	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC	HW2B-M1F10-① HW2B-M1F01-① HW2B-M1F11-① HW2B-M1F20-① HW2B-M1F02-① HW2B-M1F22-①	HW2B-A1F10-① HW2B-A1F01-① HW2B-A1F11-① HW2B-A1F20-① HW2B-A1F02-① HW2B-A1F22-①	—	—
Square Extended 	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC	HW2B-M2F10-① HW2B-M2F01-① HW2B-M2F11-① HW2B-M2F20-① HW2B-M2F02-① HW2B-M2F22-①	HW2B-A2F10-① HW2B-A2F01-① HW2B-A2F11-① HW2B-A2F20-① HW2B-A2F02-① HW2B-A2F22-①	—	—

① Button Color Code

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

* Grey is available for Round Flush models only.



- In place of ①, specify the Button Color Code.
- * Jumbo mushroom available only in red, green, black, and yellow.
- For nameplates and accessories, see page A-113 and A-115.
- For dimensions, see page A-116.
- For sub-assembly part numbers, see page A-79.

Non-Illuminated Pushbuttons (Partial-Assemblies)

Contact Assembly + Operator Assembly + Complete Switch



A

Switches & Pilot Devices

Part Numbers: Operator Assemblies

Style		Plastic Bezel	Metal Bezel
	Momentary	HW1B-M1-①	HW4B-M1-①
	Maintained	HW1B-A1-①	HW4B-A1-①
	Momentary	HW1B-M2-①	HW4B-M2-①
	Maintained	HW1B-A2-①	HW4B-A2-①
	Momentary	HW1B-M3-①	HW4B-M3-①
	Maintained	HW1B-A3-①	HW4B-A3-①
	Momentary	HW1B-M4-①	HW4B-M4-①
	Maintained	HW1B-A4-①	HW4B-A4-①
	Momentary	HW1B-M5-①*	—

Style		Plastic Bezel	Metal Bezel
	Momentary	HW2B-M1-①	—
	Maintained	HW2B-A1-①	—
	Momentary	HW2B-M2-①	—
	Maintained	HW2B-A2-①	—

- 1. In place of ①, specify the Button Color Code from table below.
- 2. *60mm mushroom available in red, green, black and yellow only.
- 3. For complete sub-assemblies, see page A-79.

Part Numbers: Contact Assemblies

Style	Contacts	Part Number
	1NO 1NC 1NO/1NC 2NO 2NC 2NO/2NC	HW-CBF10 HW-CBF01 HW-CBF11 HW-CBF20 HW-CBF02 HW-CBF22
	1NO 1NC 1NO/1NC 2NO 2NC 2NO/2NC	HW-CB10 HW-CB01 HW-CB11 HW-CB20 HW-CB02 HW-CB22

① Button Color Code

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

*Grey is available for round flush only.

Non-Illuminated Pushbuttons (Sub-Assembled)

Contact Blocks + Adaptor & Safety Lever Lock + Anti-Rotation Ring + Operator + Button = Complete Part



Part Numbers: Operators

Style		Plastic Bezel	Metal Bezel
Round Flush/Extended	Momentary	HW1B-M0	HW4B-M0
	Maintained	HW1B-A0	HW4B-A0
Ø 29mm Mushroom Ø 40mm Mushroom	Momentary	HW1B-M0L	HW4B-M0L
	Maintained	HW1B-A0L	HW4B-A0L
Ø 60mm Jumbo Mushroom	Momentary	HW1B-M5-①*	-
Square Flush Extended	Momentary	HW2B-M0	-
	Maintained	HW2B-A0	-



- In place of ①, specify the Button Color Code from table below.
- *60mm mushroom operator includes non-removable button (available in red, black, green and yellow only).
- For nameplates and accessories, see page A-113.
- For dimensions, see page A-116.

① Button Color Code

Color	Code	Color	Code
Black	B	White	W
Green	G	Yellow	Y
Red	R	Grey	N [†]
Blue	S		



- HW1B-M5 available only in black, red green and yellow.
- [†] Grey available for round flush only.

Part Numbers: Contact Blocks

Style	1NO	1NC
Standard Fingersafe Contacts (IP20)	HW-F10 HW-F10R (early make)	HW-F01 HW-F01R (late break)
Spring-Up Terminal Contacts	HW-G10 HW-G10R (early make)	HW-G01 HW-G01R (late break)
Exposed Screw Terminal Contacts	HW-C10 HW-C10R (early make)	HW-C01 HW-C01R (late break)
Dummy Block	TW-DB	



- All assembled part numbers in catalog include standard (HW-F...) contacts.
- Assembled units with spring-up terminals (HW-G...) can be ordered by removing an "F" from the part number (Ex. HW1B-M1F11-R becomes HW1B-M111-R).
- Units with exposed screw terminals (HW-C...) must be ordered as sub-components.
- All contacts (including non-fingersafe versions) are UL, CSA, and IEC compliant and carry the CE mark.

Part Numbers: Anti-Rotation Ring

Appearance	Part Number
	HW9Z-RL



Use with notched panel cutout to prevent unit rotation.

Part Numbers: Buttons

Style	Part Number
Round Flush	HW1A-B1-①
Round Extended	HW1A-B2-①
Ø 29mm Mushroom Cap	HW1A-B3-①
Ø 40mm Mushroom Cap	HW1A-B4-①
Square Flush	HW2A-B1-①
Square Extended	HW2A-B2-①

Part Number: Contact Block Mounting Adaptor (safety lever lock included)

Style	Part Number
	HW-CB2C



- Used to mount contact blocks to operator (first pair only).
- IDEC strongly recommends using the safety lever lock (included) to prevent heavy vibration or maintenance personnel from inadvertently unlocking contacts.