

Selector Switches 3-Position (Assembled)



3-Position Selector Switches

Contact	Mounting	Operator Position			Handle	Maintained	Spring Return from Right	Spring Return from Left	Spring Return Two-Way
									
Operator Only					Knob Lever	 HWⓈS-3T* HWⓈS-3L	 HWⓈS-31T HWⓈS-31L	 HWⓈS-32T HWⓈS-32L	 HWⓈS-33T HWⓈS-33L
1NO- 1NC	1	0	X	X	Knob Lever	HWⓈS-3TF11 HWⓈS-3LF11	HWⓈS-31TF11 HWⓈS-31LF11	HWⓈS-32TF11 HWⓈS-32LF11	HWⓈS-33TF11 HWⓈS-33LF11
	2	0	0	X					
2NO	1	X	0	0	Knob Lever	HWⓈS-3TF20 HWⓈS-3LF20	HWⓈS-31TF20 HWⓈS-31LF20	HWⓈS-32TF20 HWⓈS-32LF20	HWⓈS-33TF20 HWⓈS-33LF20
	2	0	0	X					
2NC	1	0	X	X	Knob Lever	HWⓈS-3TF02 HWⓈS-3LF02	HWⓈS-31TF02 HWⓈS-31LF02	HWⓈS-32TF02 HWⓈS-32LF02	HWⓈS-33TF02 HWⓈS-33LF02
	2	X	X	0					
2NO- 1NC	1	X	0	0	Knob	HWⓈS-3JTF21N1	—	—	—
	2	0	0	X					
	3	0	X	0					
2NO- 2NC	1	X	0	0	Knob	HWⓈS-3TF22	HWⓈS-31TF22	HWⓈS-32TF22	HWⓈS-33TF22
	2	0	0	X					
	3	0	X	X					
	4	X	X	0					
2NO- 2NC	1	0	0	X	Knob	HWⓈS-3STF22N9	—	—	—
	2	X	0	0					
	3	X	X	0					
	4	0	0	X					
4NO	1	X	0	0	Knob	HWⓈS-3TF40	HWⓈS-31TF40	HWⓈS-32TF40	HWⓈS-33TF40
	2	0	0	X					
	3	X	0	0					
	4	0	0	X					
4NO	1	X	0	0	Knob	HWⓈS-3STF40N2	—	—	—
	2	0	X	X					
	3	X	0	0					
	4	0	0	X					
4NC	1	0	X	X	Knob	HWⓈS-3TF04	HWⓈS-31TF04	HWⓈS-32TF04	HWⓈS-33TF04
	2	X	X	0					
	3	0	X	X					
	4	X	X	0					

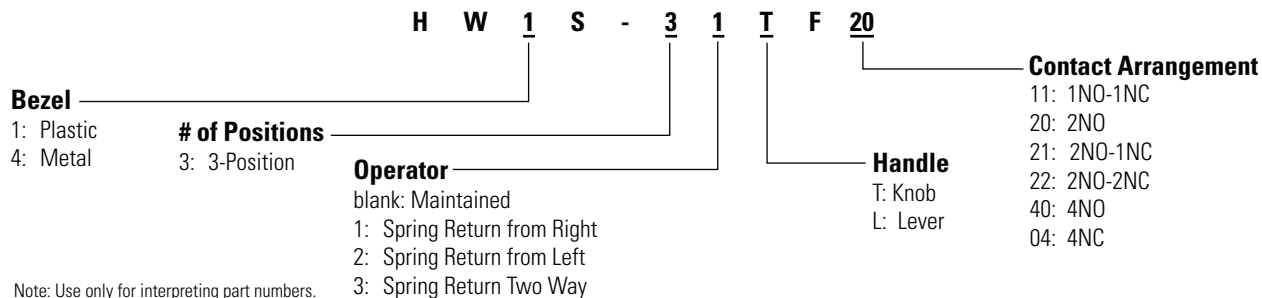
⊙ Bezel Type

Type	Code
Plastic	1
Metal	4



- In place of ⊙ enter 1 for plastic bezel or 4 for metal bezel.
- Knob operator includes black knob/lever operator includes black lever.
- * Three position operator is available with three different cams.
HW⊙S-3T: Maintained (standard cam)
HW⊙S-3ST: Maintained (S cam)
HW⊙S-3JT: Maintained (J cam)
- Operator cams are color coded (white=standard cam, red=S cam, black=J cam).
- For nameplates, see page 677.
- For contact assembly part numbers, see page 682.
- All assembled part numbers in catalog include standard finger-safe spring-up (HW-U...) contacts.
- Standard color for knob and lever is black.
- Optional colors available for lever type. Must order in components. See next page for part numbers.
- Additional contact configurations available (up to 6 total contacts).
- For Truth Tables see page 690.

Part Number Structure



Selector Switches 3-Position (Replacement Parts)

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

- Used to mount contact blocks to operator (first pair only).
- IEEC 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

Style	Part Number
	HW9Z-RL

- Use with notched panel cutout to prevent unit rotation.

Operators

Style	Description	Handle	Plastic Bezel	Metal Bezel
	Maintained (standard cam)	Knob	HW1S-3T	HW4S-3T
		Lever	HW1S-3	HW4S-3
	Maintained (S cam)	Knob	HW1S-3ST	HW4S-3ST
	Maintained (J cam)	Knob	HW1S-3JT	HW4S-3JT
	Spring Return from Right (standard cam)	Knob	HW1S-31T	HW4S-31T
		Lever	HW1S-31	HW4S-31
	Spring Return from Left (standard cam)	Knob	HW1S-32T	HW4S-32T
		Lever	HW1S-32	HW4S-32
	2-Way Spring Return (standard cam)	Knob	HW1S-33T	HW4S-33T
		Lever	HW1S-33	HW4S-33

- Knob operator comes with black handle.
- Three position knob operator is available with three different cams.
- Operator cams are color coded (white=standard cam, red=S cam, black=J cam).
- To order lever type, lever and inserts must be ordered separately, along with lever operator. See part numbers below.

Levers & Inserts

Style	Part Number
	ASWHHL-①
	TW-HC1-①

- Standard lever color is black. Standard insert color is white.

① Handle/Insert Color Code

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

- * Lever color inserts not available in black.
- †Lever not available in white.