Relays & Sockets

HW Series – 22mm IEC Style Global Pushbuttons

Key features:

- 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
- Choice of black plastic or metallic front bezels
- Incandescent or LED illumination
- Transformer or full voltage
- Slow make double break self cleaning contacts



HW: The Best Engineered Switch in the World

IDEC's HW switches are "The best engineered switch in the world" for a reason. Carrying the CE mark, UL, CSA, CCC (Chinese), 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.

(ÎL)

File No. E68961





Registration No. R9551089 (E-stops) Registration No. R50054316 (Dual Pushbuttons) Registration No. J9650511 (Pilot Lights) Registration No. J9551458 (all other switches)





Specifications

	opcomoditions					
	Rated Operational Characteristics	AC-15: A600 or Ue = 250V, Ie = 3A (NO, NC, NO-EM, NC-LB) DC-13: P600 or Ue = 125V, Ie = 1.1A (NO, NC) DC-13: Q600 or Ue = 125V, Ie = 0.9A (NO-EM, NC-LB)				
	Maximum Inrush Current	40 A (40 ms)				
	Rated Insulation Voltage	600V				
Electrical	Rated Switching Over-Voltage	Less than 4kV, conforming to IEC60947-1				
ecti	Rated Impulse Withstanding Voltage	4kV for contact circuit, 2.5kV for lamp circuit				
ш	Rated Thermal Current	10 Amp				
	Minimum Switching Capacity	5 mA at 3V AC/DC				
	Electrical Reliability	MTBF < 1 fault for 10 million operation cycles (3V DC, 5mA)				
	Lamp Ratings	Incandescent: 1 W LEDs: 6V/17mA max, 12V & 24V/11mA max, 120 & 240V/10mA max				

Horsepower Rating Contact Material Operating Temperature Operating											
Positive Action Operation		Contact Operation		Slow break NC or NO, self-cleaning							
Additional contacts—1N0 or 1NC: +3.2N (momentary), +3.3N (maintained) Beginner of the North Contact Packs and Illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) Beginner of the Electric Shock Protection Conforming to NEMA (CSS-110) Pollution Degree (conforming to NEMA (CSS-110) Pollutions and selector switches witches using a transformer (Conforming to NEMA (CSS-110) Pollution Degree (conforming		POSITIVE ACTION Uperation (Emorganics Stone with NC contacts)		10mm maximum travel, 1,800 operations per hour maximum for a Pushlock Turn Reset							
Applicable Wire Size Applicable Conforming to IEC60574 Applicable Wire Size Applicable Wire Size Applicable Wire Size Applicable Conforming to IEC60574 Applicable Wire Size Applicable Wire Si		Operating Force	е								
Horsepower Rating Contact Material Operating Temperature Operating		Recommended	Terminal Torqu	е	0.8 N m (7.1 in lb.)						
Horsepower Rating Contact Material Operating Temperature Operating	ical	Applicable Wire Size		Minimum 1 x 22 AWG, max. 2 x 14 AWG or 1 x 12 AWG							
Horsepower Rating Contact Material Operating Temperature Operating	char	Contact Resista	ance		Initial contact resistance of $50m\Omega$ or less						
Contact Material Operating Temperature Operating Temperature Operation: —25 to +50°C (without freezing), Storage: —40 to +70°C (without freezing) Vibration Resistance 10 to 55Hz, 98m/sec² (10G) conforming to IEC6068-2-6 Shock Resistance 980m/sec² (100G) conforming to IEC6068-2-7 Momentary pushbuttons: 5,000,000 (900 operations per hour), All other switches: 500,000 Conforming to Standards Approvals CSA: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switchers: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UV: pushbuttons and selector switchers: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UV: pushbuttons and selector switchers: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UV: pushbuttons and selector switchers and pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UV: pushbuttons and selector switchers and pushbuttons and selector switchers and pushbuttons and selector switchers and pushbuttons and	Μe	Contact Gap			4mm (NO and NC), 2mm (NO-EM and NC-LB)						
Operating Temperature Vibration Resistance Vibration Resistance Shock Resistance Mechanical Life Conforming to Standards Approvals Conforming to Standards Approvals File No. 1092374 File		Horsepower Ra	ating		Reference Value: 1/4 HP @	2 120V (1ø no	n-reversing), '	IHP @ 240V (3	3ø non-revers	ing)	
Vibration Resistance Shock Resistance Mechanical Life Momentary pushbuttons: 5,000,000 (900 operations per hour), All other switches: 500,000 EnGoS47-1, ENG0947-5-1, VDE0660-200, UL508, CSA C22-2 No.14 Approvals CSA: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600-pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) Expertation No. PRSS.1688 (E-stipe) Registration No. PRSS.1688 (Institute) Registration No. PR		Contact Materi	ial		Silver (gold plated contact	ts available - d	contact IDEC)				
Shock Resistance Mechanical Life Momentary pushbuttons: 5,000,000 (900 operations per hour), All other switches: 500,000 EN60947-1, EN60947-1, EN60947-5-1, VDE0660-200, UL508, CSA C22-2 No.14 Approvals CSA: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600=P600 (No. NCI/Q600 (No-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) Expectation No. J950 (186) all other switches) Degree of Protection Conforming to IEC605299 (conforming to IEC605291) (conforming to IEC605404-1) External Short-Circuit Protection Terminal Referencing Conforming to IEC60947-1) External Short-Circuit Protection Terminal Referencing Conforming to IEC60269-1 Terminal Referencing Conforming to IEC60947-5-1 Degree (conforming to IEC60947-5-1 Degree of Protection (conforming to IEC60947-1) External Short-Circuit Protection Degree of Protection (conforming to IEC60947-1) Degree of Protection (con		Operating Temp	perature		Operation: -25 to +50°C (without freezi	ng), Storage: -	-40 to +70°C	(without freez	ring)	
Momentary pushbuttons: 5,000,000 (900 operations per hour), All other switches: 500,000 EN60947-1, EN60947-5-1, VDE0600-200, UL508, CSA C22-2 No.14 CSA: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) Electric Shock Protection Degree of Protection Class 0 conforming to IEC60529 (conforming to IEC60529) (confor		Vibration Resis	tance		10 to 55Hz, 98m/sec ² (100	3) conforming	to IEC6068-2-	6			
Conforming to Standards Approvals File No. L98981 File No. L98981 File No. L98204 Approvals File No. L98204 File No. L		Shock Resistan	nce		980m/sec ² (100G) conform	ning to IEC606	8-2-7				
Approvals File No. LTS2274 CSA: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons witches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pu		Mechanical Lif	е		Momentary pushbuttons:	5,000,000 (90	O operations p	er hour), All o	ther switches	s: 500,000	
CSA: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600—P600 (NO, NC)/G800 (NO-EM, NC-LB) pilot ligh		Conforming to	Standards		EN60947-1, EN60947-5-1,	VDE0660-200), UL508, CSA	C22-2 No.14			
(conforming to IEC60529) (conforming to NEMA ICS6-110) Pollution Degree (conforming to IEC60947-1) External Short-Circuit Protection Terminal Referencing Pushbuttons Illuminated Pushbuttons Selector Switches Pushbutton Selectors INCOMPACE A CONTACT Block Rated Continuous Current Contact Ratings by Utilization Category IEC 60947-5-1 IIP20 (Type HW-F contact block) NEMA 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 13 (from front of panel) 3 for switches not using a transformer, 2 for switches using a transformer 10A 250V fuse conforming to IEC60269-1 Type HW-C/HW-F /HW-G 600V Rated Continuous Current 10A Contact Ratings by Utilization Category IEC 60947-5-1 Operational Voltage 24V 48V 50V 110V 220V 440V	ds & Approvals	Registration No. R9551089 (E-stops) Registration No. R50054316 (Dual Pushbuttons) Registration No. J9560511 (Plot Lights) Zonosnorosn 145656		integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) UL: pushbuttons and selector switches: A600 pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with integral transformer (100/110, 115, 120, 200/220, 230, 240, 380, 400/440, 480V) TÜV: pushbuttons and selector switches: A600=P600 (NO, NC)/Q600 (NO-EM, NC-LB) pilot lights and illuminated pushbuttons, direct supply pilot lights and illuminated pushbuttons with						with	
(conforming to IEC60529) (conforming to NEMA ICS6-110) Pollution Degree (conforming to IEC60947-1) External Short-Circuit Protection Terminal Referencing Pushbuttons Illuminated Pushbuttons Selector Switches Pushbutton Selectors INCOMPACE A CONTACT Block Rated Continuous Current Contact Ratings by Utilization Category IEC 60947-5-1 IIP20 (Type HW-F contact block) NEMA 1, 2, 3, 3R, 3S, 4, 4X, 5, 12, 13 (from front of panel) 3 for switches not using a transformer, 2 for switches using a transformer 10A 250V fuse conforming to IEC60269-1 Type HW-C/HW-F /HW-G 600V Rated Continuous Current 10A Contact Ratings by Utilization Category IEC 60947-5-1 Operational Voltage 24V 48V 50V 110V 220V 440V	and				Class 0 conforming to IEC60536						
External Short-Circuit Protection Terminal Referencing Conforming to CENELEC EN50005 Pushbuttons Illuminated Pushbuttons Selector Switches Pushbutton Selectors Pushbutton Selector Switches Pushbutton Selector Switc	22	(conforming to IEC60529)		IP20 (Type HW-F contact block)							
Terminal Referencing Conforming to CENELEC EN50005 Contact Block Type HW-C/HW-F /HW-G Pushbuttons Illuminated Pushbuttons Selector Switches Illuminated Selector Switches Pushbutton Selectors Rated Continuous Current 10A Contact Ratings by Utilization Category Pushbutton Selectors Operational Voltage 24V 48V 50V 110V 220V 440V		Pollution Degre	ee (conforming	to IEC60947-1)	3 for switches not using a transformer, 2 for switches using a transformer						
Pushbuttons Illuminated Pushbuttons Rated Insulation Voltage 600V Selector Switches Illuminated Selector Switches Pushbutton Selectors Utilization Category Pushbutton Selectors Pushbutton Selectors 24V 48V 50V 110V 220V 440V		External Short-	Circuit Protecti	on	10A 250V fuse conforming to IEC60269-1						
Pushbuttons Illuminated Pushbuttons Selector Switches Pushbutton Selectors Pushbutton Selectors Rated Insulation Voltage Rated Continuous Current Contact Ratings by Utilization Category Pushbutton Selectors Pushbutton Selector		Terminal Refer	encing		Conforming to CENELEC E	N50005					
Illuminated Selector Switches Pushbutton Selectors Contact Ratings by Utilization Category IEC 60947-5-1 AC-15 (A600) DC-13 (P600) Operational Voltage	sbi	Pushbuttons			Contact Block			Type HW-C/I	HW-F/HW-G		
Illuminated Selector Switches Pushbutton Selectors Contact Ratings by Utilization Category IEC 60947-5-1 AC-15 (A600) DC-13 (P600) Operational Voltage	atin'		shbuttons		Rated Insulation Voltage 600V						
Pushbutton Selectors EC 60947-5-1 Contact natings by Othization Category AC-13 (A000) DC-13 (P600)	actF				Rated Continuous Current			10A			
Operational Voltage Operational Voltage AC 50/60 Hz Operational Current Operational Curre	Cont			0 , 0 ,							
Operational Current AC 50/60 Hz AC-12 Control of resistive loads & solid state loads 10A — 10A 10A 6A 2A AC-15 Control of electromagnetic loads (> 72VA) 10A — 7A 5A 3A 1A DC-12 Control of resistive loads & solid state loads 8A 5A — 2.2A 1.1A —	S	Operational Vo	Itage			24V	48V	50V	110V	220V	440V
Operational Current DC AC-15 Control of electromagnetic loads (> 72VA) 10A — 7A 5A 3A 1A DC-12 Control of resistive loads & solid state loads 8A 5A — 2.2A 1.1A —	istic		VC EU/60 H=	AC-12 Control of resistive loa	ds & solid state loads	10A	_	10A	10A	6A	2A
Current DC-12 Control of resistive loads & solid state loads 8A 5A — 2.2A 1.1A —	cter	Operational	AU JU/DU HZ	AC-15 Control of electromagn	etic loads (> 72VA)	10A	_	7A	5A	3A	1A
	harac	Current	nc	DC-12 Control of resistive loa	ds & solid state loads	8A	5A	_	2.2A	1.1A	_



For dimensions, see page 601.

DC-13 Control of electromagnets



5A

2A

1.1A

0.6A

In place of ②, specify the Lens/LED Color Code.

LED Lamp Ratings (LSTD Type)

Model			LSTD-6@	LSTD-1@	LSTD-2©	LSTD-H2@	LSTD-M4@	
Lamp Base			BA9S/13					
Rated Vo	oltage		6V AC/DC	12V AC/DC	24V AC/DC	120V AC	240V AC	
Voltage I	Range		6V AC/DC ±10%	12V AC/DC ±10%	24V AC/DC ±10%	120V AC ±5%	240V AC ±5%	
Current	AC	A, R, W: G, S:	17mA 8mA	11mA	11mA	10mA	10mA	
Draw	DC	A, R, W: G, S:	14mA 5.5mA	10mA	10mA	_	-	
Color Co	de			A (amber), G (green), R (red)	, S (blue), W (white)			
Lamp Ba	ise Col	or	Same as illumination color					
Voltage I	Markir	ıg	Die stamped on the base					
Life (refe	erence	value)	Approx. 50,000 hours (The luminance reduces to 50% the initial intensity when used on complete DC.)					
			A, R, W	A, R, W				
Internal Circuit								
			G, S					
				LED Chip Protection Zener Diod				

Switches & Pilot Devices





Key Switches 2-Position (Assembled)



2-Position Key Switches

act	ıting	Operator Position		Maintained	Spring Return from Right	
Contact	Mounting	L	R	L R	L R	
Operat	tor Only			HW® K-2A	HW [©] K-21B	
1NO	1	0	Χ	HW®K-2AF10	HW®K-21BF10	
1NO- 1NC	1 2	0 X	X 0	HW®K-2AF11	HW®K-21BF11	
2N0	1 2	0 0	X X	HW®K-2AF20	HW®K-21BF20	
2NO- 2NC	1 2 3 4	0 X 0 X	X 0 X 0	HW®K-2AF22	HW®K-21BF22	



- 1. In place of ⑤ enter 1 for plastic bezel or 4 for metal bezel.
- 2. Key is removable in all maintained positions. Other key removable options available.
- 3. Two keys are supplied with all switches.
- All standard operators are keyed alike.
- 5. Other key removable options available. See table below
- 6. For nameplates, see page 596.
- 7. For contact assembly part numbers, see page 600.
- 8. Key is retained in "Spring Return" position.
- 9. All assembled part numbers in catalog include standard fingersafe (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).
- 11. Units with exposed screw terminals (HW-C...) must be ordered as sub-components.
- 12. Additional contact configurations available (up to 6 total contacts).
- 13. For Truth Tables see page 600.

Key Removable Option Codes

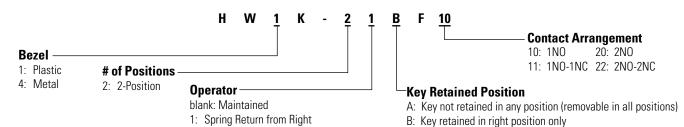
Code	Description
Α	Key not retained in any position (removable in all positions)
В	Key retained in right position only
С	Key retained in left position only

⑤ Bezel Type

Туре	Code
Plastic	1
Metal	4



Part Number Structure



Key Switches 2-Position (Replacement Parts)



Contact Blocks

Contact Diocks					
Style	Contacts	1N0	1NC		
	Standard Fingersafe	HW-F10	HW-F01		
QU.	(IP20)	HW-F10R (early make)	HW-F01R (late break)		
	Spring-Up	HW-G10	HW-G01		
1	Terminal	HW-G10R (early make)	HW-G01R (late break)		
ST	Exposed Screw	HW-C10	HW-C01		
20	Terminal	HW-C10R (early make)	HW-C01R (late break)		
1	Dummy Block	TW-	DB		

Contact Block Mounting Adaptor

Style	Part Number
Ó	HW-CB2C

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

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
1	HW9Z-LS

Anti-Rotation Ring

Style	Part Number
0	HW9Z-RL



Use with notched panel cutout to prevent unit rotation.

Operators

Style	Description	Plastic Bezel	Metal Bezel
	Maintained	HW1K-2A	HW4K-2A
	Maintained, key removed left only	HW1K-2B	HW4K-2B
	Spring Return from Right	HW1K-21B	HW4K-21B
	Maintained, key removed right only	HW1K-2C	HW4K-2C

C: Key retained in left position only



- 1. Operator includes two keys.
- 2. All standard operators are keyed alike.