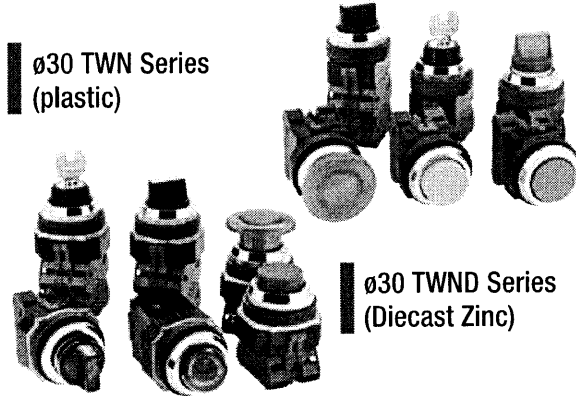


Heavy duty switches & pilot lights offer both variety and reliability.  
Endures harsh environments.

Equipped with HW-U contact blocks featuring finger-safe (IP20) structure and spring-up terminals.



Applicable Standards	Mark	File No. or Organization
UL508		UL Listing File No.E68961
CSA C22.2 No.14		CSA File No. LR 21451
EN60947-5-1		TÜV Rheinland
EN60947-5-1		EU Low Voltage Directive and RoHS2 Directive (except for DC-DC converter unit)
GB14048.5		Contact IDEC for details.

- Pilot light is not approved by EN standards.
- DC-DC converter unit is not approved by standards.

- Selection Guide
- Ratings/ Specifications**
- LED Ratings
- Specifications
- Degree of Protection
- Ordering
- Part No. Development
- TWN Series
- TWND Series Diecast Zinc

## Ratings and Specifications

### Contact ratings

Pushbuttons	Rated insulation voltage	600V
Illuminated Pushbuttons	Rated continuous current	10A
Selector Switches	Contact ratings by utilization category	AC-15 (A600)
Illuminated Selector Switches	JIS C8201-5-1	DC-13
Selector Pushbuttons	IEC60947-5-1	

### Contact ratings by utilization category

HW-U10 (NO contact), HW-U01 (NC contact)

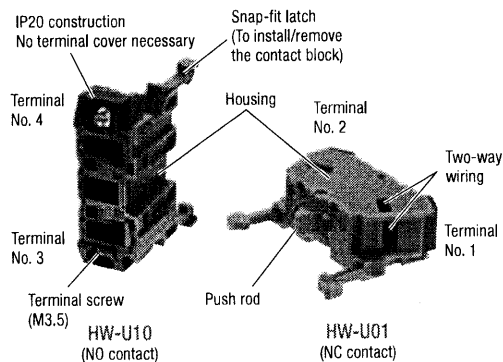
Operating Voltage		24V	48V	50V	110V	220V	440V
Operating Current	AC 50/60 Hz	AC-12 Control of resistive loads and solid state loads		10A	–	10A	6A 2A
		AC-15 Control of electromagnetic loads (> 72 VA)		10A	–	7A	5A 3A 1A
	DC	DC-12 Control of resistive loads and solid state loads		10A	5A	–	2.2A 1.1A –
		DC-13 Control of electromagnets		5A	2A	–	1.1A 0.6A –

HW-U10R (EM contact/NO contact), HW-U01R (LB contact/NC contact)

Operating Voltage		24V	48V	50V	110V	220V	440V
Operating Current	AC 50/60 Hz	AC-12 Control of resistive loads and solid state loads		5A	–	5A	5A 3A 1A
		AC-15 Control of electromagnetic loads (> 72 VA)		5A	–	3.5A	2.5A 1.5A 0.5A
	DC	DC-12 Control of resistive loads and solid state loads		5A	2.5A	–	1.1A 0.55A –
		DC-13 Control of electromagnets		2.5A	1A	–	0.55A 0.3A –

- The operating current represents the classification by making and breaking currents (IEC 60947-5-1).
- Silver contacts
- Minimum applicable load: 3V AC/DC, 5 mA (applicable range may vary with operating conditions and load types)
- For mono-lever switches and cam switches, see the brochures of each product.

### HW-U Contact Block



Part No.	HW-U10	HW-U01	HW-U10R	HW-U01R
Contact				
	1NO	1NC	EM (NO) (early make)	LB (NC) (late break)
Terminal No.	3-4	1-2	3-4	1-2
Housing color	Blue	Reddish purple	Blue	Reddish purple
Push Rod color	Green	Red	Black	White
Weight	Approx. 11g			

- Up to 4 contacts in two decks can be mounted onto each operator.  
(AZN, AZD, AYD: Up to 2 contact blocks in one deck)
- Cannot be used on operators in dark gray or light gray color.
- Gold contact available (gold-plated silver)