

Features and Benefits

Advantage™ Series Pin and Sleeve Switch-Rated

Hubbell Wiring Device-Kellems Advantage™ Series Pin and Sleeve Switch-Rated Devices are IEC 60309-2 compatible devices that are approved as a disconnecting means for motor and branch circuits. Compact design, this device is similar in size to standard IEC 60309-2 devices. Robust and durable housing, UV-stabilized, impact and corrosion-resistant PBT housing is designed to withstand harsh industrial environments. Stainless steel hardware provides superior corrosion resistance in wet and harsh environments. Receptacles mount to standard Hubbell IEC Pin and Sleeve back boxes.



Housing Design

- Rugged one-piece housing, thick wall construction protects internal components, eliminates joints preventing infiltration of contaminants
- IEC pin and sleeve devices are color coded by voltage for easy identification



Heavy Duty External Cord Grips

- Provides maximum cord retention to maintain unstressed terminations
- Pocketed recess for screws deters slippage of the screwdriver and are conveniently located on the same side for easy installation



Ease of Use

- Ergonomic design puts the Advantage™ into the palm of your hands with the easy-to-use leverage grip design from Hubbell



Spring-Loaded Cover

- Spring-loaded to the open position, reminding users that the cover must be secured to ensure maximum ingress protection
- Impact resistant cover arm compact and durable internal swing arm is fully shrouded protecting it from damage



Spring-Loaded Disconnect Button

- Oversized for easy actuation with gloved hands



Full Line of Accessories

- Advantage series receptacles have same mounting pattern as our standard receptacles, for non-metallic and metallic back boxes (see page G-14)
- Full offering of liquidtight adapters (see page G-15)

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The Advantage™ Series has a UL witnessed IP69k and 4X,12 environmental rating, two power-indicating LEDs, continuous ground engagement, labelless laser markings and a compact and ergonomic design.

Hubbell's Pin and Sleeve connections have always been safe – that hasn't changed. The Advantage™ series simply has more... Advantages.



The Hubbell Advantages



Sleek and Modern Design

- The ergonomic device is easy to keep clean making it ideal for hygienic food processing facilities



Permanent Labelless Markings

- Product ratings are laser-marked into the device and will not wash off for easy permanent identification



Continuous Ground Engagement

- Unswitched feed-through ground pin is first-to-make and last-to-break followed by switched neutral and phase contact(s)



Superior Water Ingress Protection

- UL witnessed IP69k and UL Type 4X and 12. Device is built to withstand wet and harsh environments



IEC 60309 Singularity Rated Device

- Mates with existing installed base of IEC 60309-2 pin and sleeve devices. Color coded by voltage for easy identification of mating devices



Power Indicating LED Lights

- Highly visible and long lasting green LED lights on both sides of the device provide visual verification of power when connected





Rating		Pin and Sleeve Devices							Accessories	
Amps	Poles and Wires	Configuration Recep./ Plug/ Conn. Inlet	AC Voltage	Connector	Receptacle	HP	Mating Plug**	IP67 Inlet	Back Boxes	Closure Caps
30	2P 3W		125V			2				
32	2P 3W		100-130V			2				
30	2P 3W		250V			5				
32	2P 3W		220-240V			5				
30	2P 3W		480V			10				
30	3P 4W		125/250V			2				
30/32	3P 4W		3Ø 250V			10				
30	3P 4W		3Ø 480V			20				
30	3P 4W		3Ø 600V			30				
30/32	3P 4W		380-415V			7.5				
32	3P 4W		380-440V			10				
30	4P 5W		3ØY 347/600V			30				
30	4P 5W		200/346- 240/415V			7.5				
32	4P 5W		220/380V 240/415V			7.5				
30	4P 5W		3ØY 277/480V			20				
30/32	4P 5W		3ØY 120/208V			10				
60	2P 3W		125V			3				
60	2P 3W		250V			7.5				
63	2P 3W		220-240V			7.5				
60	2P 3W		480V			15				
60	3P 4W		125/250V			3				
60/63	3P 4W		3Ø 250V			10				
60	3P 4W		3Ø 480V			30				
60	3P 4W		3Ø 600V			40				
60/63	3P 4W		380-415V			10				
60	4P 5W		3ØY 347/600V			40				
60/63	4P 5W		200/346- 240/415V			10				
60	4P 5W		3ØY 277/480V			30				
60/63	4P 5W		3ØY 120/208V			10				

Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.

**Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.
 ADVANTAGE™ series receptacles have the same mounting pattern as standard Hubbell IEC pin and sleeve.
 Just add a "P" suffix for Pilot pin for 60 amp devices.

Rating					Pin and Sleeve Devices					Accessories	
Amps	Poles and Wires	Configuration Recept./ Plug/ Inlet	AC Voltage		Connector	Receptacle	HP	Mating Plug**	Inlet**	Back Boxes	Closure Caps
100	3P 4W		3Ø 600V	■	HBLS4100C5W	HBLS4100R5W	50	HBLS4100P5W	HBLS4100B5W	BB100N	PC100
100	3P 4W		380-415V	■	HBLS4100C6W*	HBLS4100R6W*	15	HBLS4100P6W	HBLS4100B6W	BB100N	PC100
100	3P 4W		3Ø 480V	■	HBLS4100C7W	HBLS4100R7W	40	HBLS4100P7W	HBLS4100B7W	BB100N	PC100
100	3P 4W		3Ø 250V	■	HBLS4100C9W*	HBLS4100R9W*	15	HBLS4100P9W	HBLS4100B9W	BB100N	PC100
100	3P 4W		125/250V	■	HBLS4100C12W	HBLS4100R12W	10; 3	HBLS4100P12W	HBLS4100B12W	BB100N	PC100
100	4P 5W		3ØY 347/600V	■	HBLS5100C5W	HBLS5100R5W	50	HBLS5100P5W	HBLS5100B5W	BB100N	PC100
100	4P 5W		200/346- 240/415V	■	HBLS5100C6W*	HBLS5100R6W*	15	HBLS5100P6W	HBLS5100B6W	BB100N	PC100
100	4P 5W		3ØY 277/480V	■	HBLS5100C7W	HBLS5100R7W	40	HBLS5100P7W	HBLS5100B7W	BB100N	PC100
100	4P 5W		3ØY 120/208V	■	HBLS5100C9W*	HBLS5100R9W*	15	HBLS5100P9W	HBLS5100B9W	BB100N	PC100

Note: *Certain IEC configurations allow for a single product to be certified as both a North American (Series 2) and International amperage (Series 1). These products are marked accordingly with both the UL Listing and UL Classified markings.

**Mating plug or inlet required to maintain 4X/IP69k ratings when used with ADVANTAGE™ series connections.

Optional Pilot Pin Available on All 60A and 100A Devices

The Pilot Pin is smaller than the ground and phase pins and are designed to make after main and break before main breaks. This pin can be used to communicate with auxiliary devices within your facility. They are "Break before main break" and by design are the last contact in the sequence to make and first to break.



Rating			Pin and Sleeve Devices			
Amps	Poles/Wires	AC Voltage	Connector with Pilot Sleeve	Receptacle with Pilot Sleeve	Plug with Pilot Pin	Inlet with Pilot Pin
60/63	3P 4W	3Ø 250V	HBLS460C9WP*	HBLS460R9WP*	HBLS460P9WP*	HBLS460B9WP*

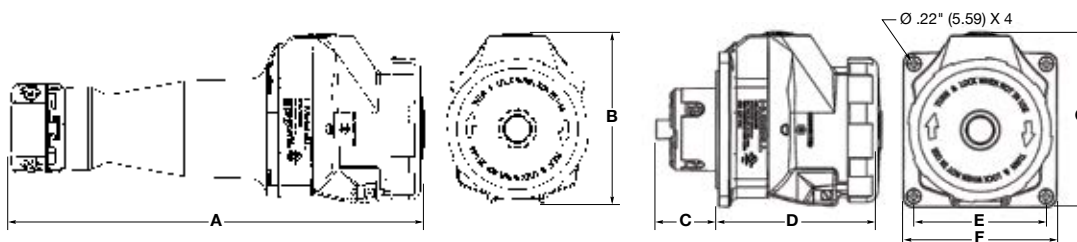
Note: *Just add a "P" suffix for Pilot pin for 60 amp devices.

Specifications

Temperature Rise	< 30°C
Dielectric Voltage	Min 2,200V AC
Electrical Life	Min 6,000 Cycles at rated switch load (p.f.= .75-.80)
Max Working Voltage	600V AC
Current Interrupting	Certified for current interrupting at full rated current and voltage
Horsepower Locked Rotor Test	50 Operations at 600% of full load motor current (p.f.= .40-.50)
Short Circuit	100kA when protected by Class J fuse. Also 125A RK1 fuse for 100A devices only
Endurance	Min 10,000 mating cycles
Flammability	V-0
Operating Temperature	Max Continuous +75°C; Min continuous -40°C
Environmental	Type 4X, 12 and IP69k
UV Resistance	All materials are UV stabilized

Dimensions

Description	A	B	C	D	E	F	G
	Connector		Receptacle				
30A	9.9" (251.5)	4.5" (114.3)	1.06" (27.2)	3.83" (97.3)	3.13" (79.4)	3.75" (95.2)	4.5" (114.3)
60A	12.22" (310.4)	5.17" (131.3)	1.85" (47.0)	4.77" (121.2)	3.88" (98.6)	4.52" (114.8)	5.09" (129.3)
100A	15.89" (403.6)	5.63" (142.9)	3.08" (78.2)	5.03" (127.6)	4.87" (123.7)	5.63" (142.9)	5.88" (149.3)



Dimensions in Inches (mm)