

Control circuit connections

Features and benefits



20 A, 250 V AC or DC, 600 V AC maximum rating load-breaking multi-circuit receptacles, plugs, connectors and inlets

Type SK

Type SK multi-circuit receptacles, plugs, inlets and connectors are designed for indoor or NEMA 1 automatic press, tool control and welder applications requiring rugged, shock-resistant devices capable of safely interrupting rated currents under load.

Receptacles and connectors have neoprene gasket mounts and positive grounding path through separate contact. Equipment grounding contacts “make first” and “break last.” Wiring space is generous. Listed ratings are for interrupting currents under load.

The time-tested Ever-Lok® automatic locking feature provides positive connections under the most severe conditions of shock and vibration. Yet a twist of the wrist instantly disengages the plug when required.



20 A, 250 V AC or DC, 600 V AC maximum rating load-breaking multi-circuit receptacles, plugs, connectors and inlets

Type SKW

Type SKW multi-circuit receptacles, plugs, inlets and connectors are designed for outdoor NEMA 4, rough service and critical environment machinery, HVACR systems, servo control and other automatic/controlled functions requiring rugged, shock-resistant devices capable of safely breaking rated loads. These watertight and oil-tight devices are equipment grounded with ground contacts that “make first” and “break last.” Wiring space is generous. Listed ratings are for full load interrupting currents.

Both series feature simple set-screw wiring termination in a circular connector with up to 11-pole 12-wire circuit capability. A wide selection of cable bushings can be specified upon ordering at no additional charge. Conduit adapters are also available for shielded or construction usage for both SK and SKW series.

Notes: For more than 12 circuits, miniature connectors or rectangular format, ask about the ABB Pos-E-Kon® line.

Control circuit connections

Type SK

Specifications

- Receptacle housing:
 - Furnished with neoprene gasket and 6-32 mounting screws
 - Type SKWR – Cast aluminum, corrosion-resistant copper free alloy
 - Style SKR – Heavy-gauge steel, plated
- Plug housing:
 - Type SKP – Steel, zinc-plated with heavy-cast aluminum alloy cable clamp and cable bushing
 - Type SKWP – Cast aluminum, corrosion-resistant copper-free alloy, epoxy powder-coat finish; furnished with heavy-cast cable clamp and cable bushing
- Connector housing: cast aluminum, corrosion-resistant copper-free alloy, epoxy powder coat finish; furnished with heavy-cast cable clamp and cable bushing
- Conduit boxes: cast boxes for above receptacles are listed on page 145; Type SK receptacles require FD series or DSFD box; can be furnished with single-gang outlet box at additional cost; when required, add suffix catalog number of box to catalog number of receptacle

- Cable bushing: oil-resistant neoprene strain relief cable bushing regularly furnished with hole size as listed; other hole sizes available at no extra cost if specified on order; see page 148 for additional sizes
- Interiors: contacts are removable and have pressure type terminals for 12 AWG maximum conductors
- Insulating bodies: Arc- and impact-resisting mold composition
- Contacts: silver plated with fully insulated pressure screw-type terminals
- Repair kits: pins/sleeves repair – components for rebuild of 2–4 interiors
 - Male devices – Cat. no. SKX12MS
 - Female devices – Cat. no. SKX12FA

Indoor, NEMA 1
20 A load breaking
250 V DC
600 V AC (maximum rating)



Poles/ wires	Standard service			Reverse service		
	Female receptacle style SKR	Male plug style SKP	Female connector style SKC	Male receptacle style SKRR	Connector*/ female plug style SKCU	Cable bushing hole I.D. (in.)
2P3W	SKR3G	SKP3G	SKC3G	SKRR3G	SKCU3G	5/8
3P4W	SKR4G	SKP4G	SKC4G	SKRR4G	SKCU4G	5/8
4P5W	SKR5G	SKP5G	SKC5G	SKRR5G	SKCU5G	3/4
5P6W	SKR6G	SKP6G	SKC6G	SKRR6G	SKCU6G	3/4
6P7W	SKR7G	SKP7G	SKC7G	SKRR7G	SKCU7G	3/4
7P8W	SKR8G	SKP8G	SKC8G	SKRR8G	SKCU8G	7/8
8P9W	SKR9G	SKP9G	SKC9G	SKRR9G	SKCU9G	7/8
9P10W	SKR10G	SKP10G	SKC10G	SKRR10G	SKCU10G	1
10P11W	SKR11G	SKP11G	SKC11G	SKRR11G	SKCU11G	1
11P12W	SKR12XG	SKP12XG	SKC12XG	SKRR12XG	SKCU12XG	1

* Connectors: Both SKCU and SKC connectors will mate with standard service SKP plugs. SKC devices offer external shroud protection for female contacts. Both devices will lock with plug.

Note: With conduit fittings, plugs and connectors can be furnished with adapters to accommodate rigid conduit or standard connectors for armored and non-metallic cable or flexible conduit. See page 148. Special construction: press control lockout dummy, Cat. #SKPD-.