

EPIC® Pin & Sleeve Connectors

ALUPRES Series: High Performance Switched Socket Outlets with Mechanical Interlock

The ALUPRES Series interlocked, switched socket-outlets are ideal for indoor and outdoor power service On/Off control. The range consists of North American: 20 amp, 30 amp, and 60 amp models; and International: 16 amp, 32 amp, and 63 amp models. These interlocked outlets can be used individually and mounted using the integral mounting tabs, or as part of a multiple unit distribution board assembly. The rugged, aluminum alloy enclosure and zinc-plated steel interlocking mechanism contribute to

long service life and long-term operator safety. The rotary switches used in the ALUPRES Series socket-outlets are AC23A-AC3 category devices suitable for direct switching of motor and other highly inductive electrical loads and have a conditional short circuit rating of 10,000 amps. The ALUPRES range complies with the following standards: CEI EN 60309, CEI EN 60947, CEI EN 60529, CEI EN 60742, IEC 60309, IEC 947, IEC 529, IEC 742, UL 1682, UL1686 and UL 508.

KEY FEATURES

Quick & Easy Installation

Used individually, surface mounting is quickly accomplished using the four integral mounting tabs. An optional support plate allows multiple units to be assembled into a distribution panel.

Rugged Aluminum Alloy Enclosure

The powder painted aluminum alloy enclosure provides excellent resistance to heat and corrosive agents. Resistance to impact and mechanical stress is over 50% greater than those of typical switched-outlets constructed using standard thermoplastics.

Environmentally Protected (Watertight)

ALUPRES switched-outlets (20/16A & 30/32A) are IP65 rated for watertight service against violent water jets, and (60/63A) are IP 55 rated for watertight service in lower pressure wash-down applications.

Mechanical Interlock

Zinc-plated steel interlock mechanism guarantees electrical operation only when a plug is inserted in the outlet. Robust design prevents interlock failure even when forced.

Direct Motor Control

Use of AC23A-AC3 category switches allow direct switching of motor and other highly inductive electrical loads and have a conditional short circuit rating of 10,000 amps.

Motor Power in Kilowatts

Phase	Voltage	Current (amps)		
		20/16	30/32	60/63
3	230/220	4.5 kW	8.5 kW	18 kW
	380/380	7.5 kW	15 kW	31 kW
	460/500	10 kW	17 kW	40 kW
1	230/220	2.8 kW	5 kW	---

THE TOUGH ONE

Made of die-cast aluminum alloy, these products are powder painted with polymerized, non-scratch paint at 180°C which makes them ideally suited for abrasive environments. Their rugged industrial design ensures high impact resistance (30 joules) at low and high temperature extremes, and outstanding resistance to extremes of heat and fire. A special chrome treatment applied prior to painting insures protection from corrosion.



APPLICATIONS:

Steelworks, foundries, rolling mills, tunnels, and abrasive areas by metal removal machinery and carpentry machines.