

Other Molded Connectors

Control Connectors/Safety Plugs/Dual Round Connectors

For nearly 30 years the Brad Harrison Control Connector, Safety Plug, and Dual Round Connector product lines have reliably served industry, providing secure electrical connections or ensuring safe lockout conditions on heavy-duty machines.

Control Connectors

Year after year, Brad Harrison Control Connectors remain the industry standard for such heavy duty industrial applications as: stamping presses, control circuit instrument panels, automated/robotic production lines, conveyor controls, and power sources.

Available in 3 to 12-pole configurations and 14 AWG cables, Control Connectors feature plugs and receptacles insulated with durable Neoprene™ rubber. Plug pins are fully shrouded for effective impact resistance, and the receptacles feature spring-loaded flip-lid covers that:

- Protect the contacts when the plug is disengaged;
- Lock to the plug during use to prevent accidental disengagement caused by vibration.

The low-profile receptacles also can be mounted directly to equipment, or to FS or FD boxes.



Safety Plugs

To ensure safe and proper maintenance on press die blocks, safety gates, and other heavy duty industrial equipment, depend on Brad Harrison Safety Plugs.

These are specially designed to provide electrical lock-outs during maintenance. Safety Plugs are available in three different non-interchangeable configurations, one of which (with a 4-pole configuration) interlocks with two separate circuits simultaneously.

Available configurations are color-coded in red, yellow or orange, with matching receptacles available in two styles, both angle-mounted to fit standard FS or FD boxes in a low profile.

Dual Round Connectors

Brad Harrison Dual Round Connectors are a continuous source of reliable power in many of the same tough industrial environments where our Control Connectors are found. The primary difference is this: the unique plug and receptacle design of the Dual Round Connector prevents mismatching with more conventionally shaped power/control connectors. And that helps to prevent costly equipment damage and downtime.

Dual Round Connectors are available in 9 to 17-pole configurations, with 12 to 24-pole configurations available upon request.

PRODUCT	USED IN CONJUNCTION WITH	TYPICAL APPLICATIONS
Control Connectors	• Press Controls/Run Button Bars • Process Controls	• Forging and Welding Presses • Automated Assembly Lines
Safety Plugs	• Die Blocks • Safety Fences/Gates	• Forging and Welding Presses • Barricades to work Areas
Dual Round Connectors	• Press Control • Process Controls	• Forging and Welding Presses • Automated Assembly Lines



Safety Plugs

Provide electrical lock-outs during machine maintenance
Color-coded configurations to assist in safety lock out
Fit standard FS or FD boxes

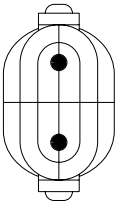
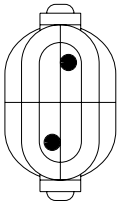
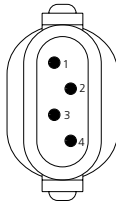
	2P	2P	4P
MALE FACE VIEW			
COLOR	yellow	red	orange*
VOLTAGE	600V AC/DC	600V AC/DC	600V AC/DC
CURRENT	25A	25A	25A

	FIG	MALE SHORTING PLUGS		FIG	
SHORTING PLUGS W/ 1' CHAIN	1	22803 (1300190003)	22904 (1300190012)	2	43302 (1300190020)
SHORTING PLUGS W/ 2' CHAIN	1	22804 (1300190004)	22905 (1300190013)	2	43303 (1300190021)
SHORTING PLUGS W/ 3' CHAIN	1	22805 (1300190005)	22906 (1300190014)	2	43304 (1300190022)
	FIG	FEMALE RECEPTACLES		FIG	
ANGLE RECEPTACLES	5	22801 (1300190001)	22903 (1300190011)	6	43301 (1300190018)
CAST RECEPTACLE ASSEMBLY**	3	22806 (1300190006)	22902 (1300190010)	4	43305 (1300190023)

SUB-ASSEMBLIES AND MISCELLANEOUS COMPONENTS

INSERT FOR CAST ASSEMBLY	22802 (1300190002)	22901 (1300190009)	—
INSERT WITH MOUNTING SHELL	22807 (1300190007)	22907 (1300190015)	—

*Available in red as option

** Includes insert, mounting shell and wiring box

Molex/Woodhead part numbers shown in parentheses

Specifications

MECHANICAL (SHORTING PLUG)

BODY: NITRILE/PVC COMPOUND
CONTACT: BRASS, SOLID
CHAIN YOKE: ZINC-PLATED STEEL

MECHANICAL (ANGLE RECEPTACLE)

HOUSING & BODY: NITRILE/PVC COMPOUND
CONTACT: BRASS

MECHANICAL (CAST RECEPTACLE)

HOUSING: ALUMINUM
CONTACT: BRASS
INSERT: NITRILE/PVC
GASKET: NEOPRENE

ELECTRICAL

VOLTAGE RATING: 600V AC/DC
AMPERAGE: 25A

ENVIRONMENTAL

AMBIENT OPERATING TEMP: -4° TO 194° F (-20° TO 90° C)

CERTIFICATIONS

UL: UL RECOGNIZED, FILE NO E46237
CSA: CSA CERTIFIED, FILE NO LR6837

RECEPTACLES

SHORTING PLUG - 2 POLE

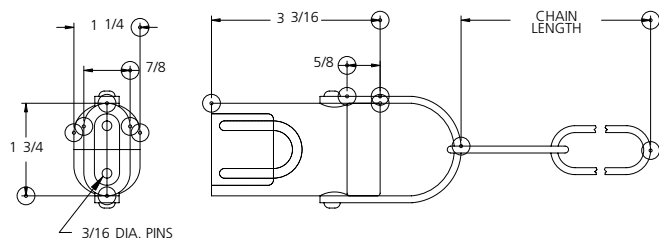


FIG 1

SHORTING PLUG - 4 POLE

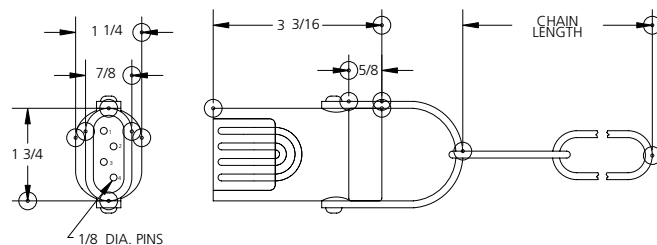


FIG 2

CAST RECEPTACLE ASSEMBLY - 2 POLE

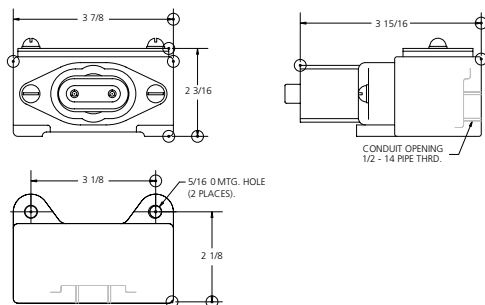


FIG 3

CAST RECEPTACLE ASSEMBLY - 4 POLE

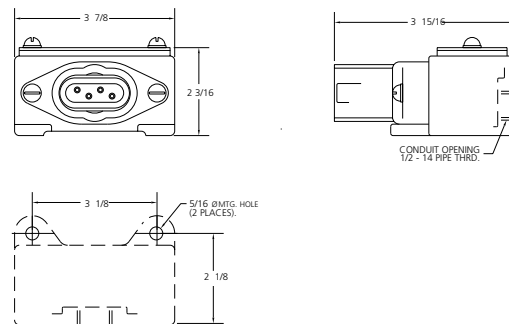


FIG 4

ANGLE RECEPTACLE ASSEMBLY - 2 POLE

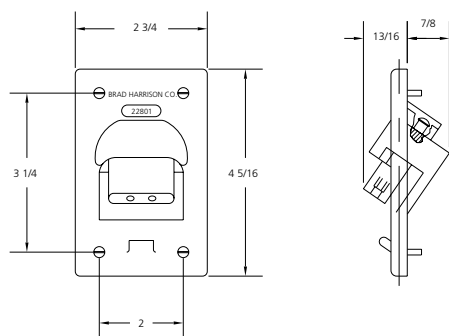


FIG 5

ANGLE RECEPTACLE ASSEMBLY - 4 POLE

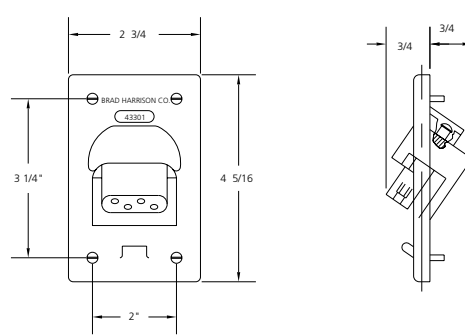


FIG 6