

# Arktite APQ circuit breaking motor plugs

NEMA 4 Watertight

1P

APJ plugs, APR cable connector receptacles  
30A, 60A, 100A, 250 VDC/600 VAC, 50<sup>A</sup>-400 Hz

## Applications:

APQ motor plugs are used:

- On portable electric equipment

## Features:

- Eliminates problem of storing and protecting a long length of portable cord and plug on portable device
- Connection to fixed receptacle used as power source is made with cordsets which may be hung on wall, out of the way
- Cordsets are made up using an APR receptacle at one end and an APJ plug at the other
- Cordsets may be used singly or connected together to provide longer lengths when needed
- With spare cordsets on hand, portable equipment may be kept in service while normal cord replacement is being made
- Where design of portable equipment permits, APQ motor plugs can be attached directly to a sheet metal panel or cabinet
- May be mounted on AR and AJ back boxes for conduit connection
- See typical installation diagram on next page



APQ motor plug with square flange, gaskets, fastening ring and exposed contacts



APR cable connector receptacle with cable grip, neoprene bushing and protected contacts



APJ plug with cable grip, neoprene bushing, exposed contacts and fastening ring

## Options:

**Description** **Suffix**

- Special polarity..... **S4**

*Receptacle interior rotated 22½° to right and plug changed to match*

*For use where two or more receptacles of the same ampere rating, style and number of poles are to be installed in the same area for use on different voltages and/or frequencies*

*Prevents insertion of a plug in a receptacle with different electrical rating*

## Certifications and compliances:

- UL standard: UL1682
- CSA standard: C22.2 No. 182.1

## Standard materials:

- Motor plugs – mounting plate: Feraloy iron alloy; protective sleeve: copper-free aluminum
- Plug and receptacle exteriors – copper-free aluminum
- Back boxes – copper-free aluminum
- Insulation – fiberglass-reinforced polyester
- Pressure and solder contacts – brass
- Crimp/solder contacts – leaded red brass

## Standard finishes:

- Feraloy – electrogalvanized and aluminum acrylic paint
- Copper-free aluminum – natural
- Brass – natural
- Fiberglass-reinforced polyester – natural (red)
- Leaded red brass – electro-tin-plate

## Ordering information:

Amperage	Style <sup>B</sup>	Description	Cat. # Plug	Cable dia.	Cat. # Cable connector receptacle	Cat. # Motor plug
30	1	2-wire, 2-pole <sup>C</sup>	APJ3275	0.39 - 1.20"	APR3255	APQ327
		3-wire, 3-pole <sup>C</sup>	APJ3375	0.39 - 1.20"	APR3355	APQ337
		4-wire, 4-pole <sup>C</sup>	APJ3475	0.39 - 1.20"	APR3455	APQ347
	2	2-wire, 3-pole <sup>C</sup>	APJ3385	0.39 - 1.20"	APR3365	APQ338
		3-wire, 4-pole <sup>C</sup>	APJ3485	0.39 - 1.20"	APR3465	APQ348
		2-wire, 2-pole <sup>C</sup>	APJ6275	0.50 - 1.45"	APR6255	APQ627
60	1	3-wire, 3-pole <sup>C</sup>	APJ6375	0.50 - 1.45"	APR6355	APQ637
		4-wire, 4-pole <sup>C</sup>	APJ6475	0.50 - 1.45"	APR6455	APQ647
		2-wire, 3-pole <sup>C</sup>	APJ6385	0.50 - 1.45"	APR6365	APQ638
	2	3-wire, 4-pole <sup>C</sup>	APJ6485	0.50 - 1.45"	APR6465	APQ648
		2-wire, 2-pole <sup>C</sup>	APJ10277	0.875 - 1.70"	APR10257	APQ1027
		3-wire, 3-pole <sup>C</sup>	APJ10377	0.875 - 1.70"	APR10357	APQ1037
100	1	4-wire, 4-pole <sup>C</sup>	APJ10477	0.875 - 1.70"	APR10457	APQ1047
	2	2-wire, 3-pole <sup>C</sup>	APJ10387	0.875 - 1.70"	APR10367	APQ1038
		3-wire, 4-pole <sup>C</sup>	APJ10487	0.875 - 1.70"	APR10467	APQ1048

<sup>A</sup>For use on systems less than 60 Hz, the receptacles, plugs and connectors are for disconnect use only.

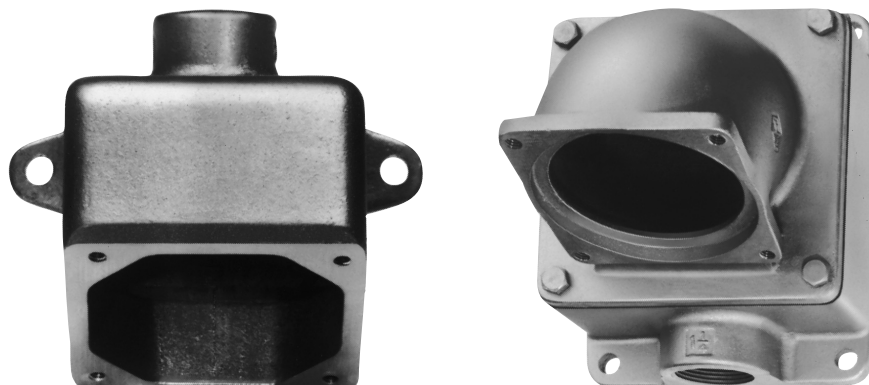
<sup>B</sup>Style 1 – grounded through shell. Style 2 – grounded through extra pole and shell.

<sup>C</sup>Pressure connectors are standard. Crimp/solder type terminators are optionally available for 2-, 3- and 4-pole 30A, 3- and 4-pole 60A and 100A. To order, add suffix 'T' to end of catalog number. For example: APJ3375-T (plug); AR6337-T (receptacle).

# Typical back boxes for Arktite APQ circuit breaking motor plugs

Weatherproof

1P



Typical back boxes used with APQ motor plugs

## Ordering information:

### ARE

For APQ 30A

Hub size	Cat. #
1/2"	ARE13
3/4"	ARE23
1"	ARE33

### AJ

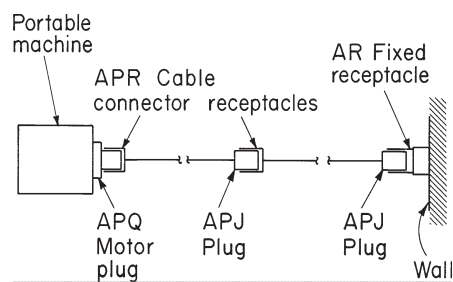
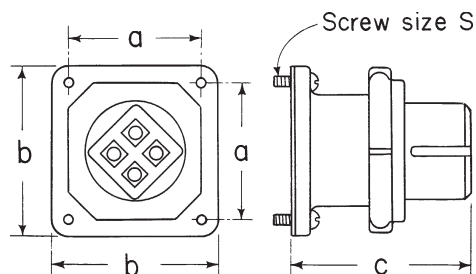
For APQ 60A and 100A

Hub size	Cat. #
1"	AJ37
1 1/4"	AJ47
1 1/2"	AJ57
2"	AJ67

For APQ 60A

Hub size	Cat. #
1"	ARE36
1 1/4"	ARE46
1 1/2"	ARE56

## Dimensions (in inches):



Typical installation

## APQ motor plugs

Amperage	a	b	c	s
30	2 3/4	3 3/8	3 5/8	12-24
60	3 1/2	4 1/4	4 7/8	5/16-18
100 (2-, 3-pole)	3 1/2	4 1/4	6 1/8	5/16-18
100 (4-pole)	3 1/2	4 1/4	6 7/16	5/16-18

For additional back box listings, see pages 697-698.  
For back box dimensions, see pages 699-700.