

NSR Arktime® Interlocked Receptacles With Enclosed Disconnect Switches

NEMA 3, 3R, 4*, 4X*, 12
Watertight
Corrosion-Resistant

3P

APJ/NPJ Arktime Plugs

Applications:

NSR *Arktime* interlocked receptacles with enclosed disconnect switches are used:

- To provide a power disconnect for fixed or portable electrical equipment such as welders, generators and compressors where the switch will be subject to frequent operation
- To provide short circuit protection when a fusible switch is needed
- In non-hazardous indoor or outdoor areas where corrosion, dust, hosedown and moisture may be a problem such as in offshore and marine locations, pulp and paper mills, chemical plants, sewage treatment plants and food processing facilities

Features:

- Enclosures are made of *Krydon*® high impact strength fiberglass-reinforced polyester material having excellent resistance to corrosion and heat
- Switches are NEMA type HD heavy duty 3-pole, enclosed blade; a quick make-and-break mechanism with reinforced, positive pressure type blade and jaw construction. Fusible switches have fuse clips with steel reinforcing springs
- For maximum safety, the spring door receptacle at the bottom is mechanically interlocked with the switch operating mechanism. The switch cannot be closed until the plug is fully inserted and the plug cannot be withdrawn unless the switch is open
- Switch enclosure access door is mechanically interlocked with switch and cannot be opened unless switch operator is in "OFF" position
- Enclosure has hinged access door for easy wiring and maintenance. Three screws, located behind access door in door frame, prevent disassembly when door is locked
- A *Krydon* material hub (not mounted) is supplied with each enclosure as follows:

Rating	Hub Size (In.)	Cat. #
30A	3/4	NHUB2
60A	1 1/4	NHUB4
100A	2	NHUB6

For alternate hub sizes, see page 677

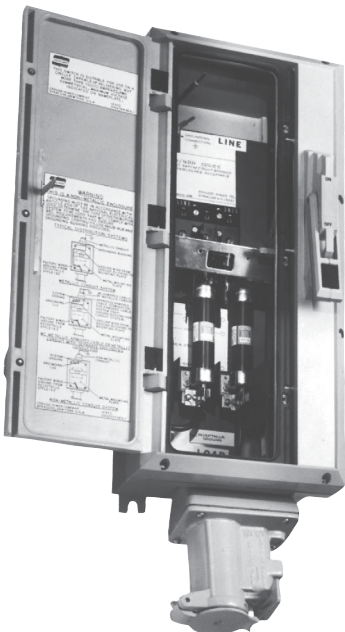
- Receptacle has self-closing spring door assembly to provide environmental protection
- Mounting feet may be rotated 90° to horizontal or vertical mounting positions
- Switch operating handle may be padlocked in the "OFF" position, preventing unauthorized operation of the switch

Certifications and Compliances:

- NEMA 3, 3R, 4*, 4X*, 12
- UL Standard: 1682, 98

Crouse-Hinds

by **E.T.N**



Interchangeability of Plugs With Other Non-hazardous and Hazardous Location Receptacles:

- Plugs listed for use with NSR assemblies are standard *Arktime* APJ/NPJ plugs.
Other standard APJ/NPJ and CPH plugs of the same rating, style and number of poles may be used with NSR receptacles, as well as with EBBR, EPC and EPCB receptacles listed in Section 4P
- Portable equipment, suitable for the locations and equipped with the proper plug, can be used with non-hazardous rated AR receptacles, DBR and WSR interlocked receptacles located in non-hazardous locations, with EBBR, EPC and EPCB receptacles for Class I, Groups B, C, D hazardous locations, with DR and DBR interlocked receptacles for Class II, Groups F, G hazardous locations, and with NBR/NSR interlocked receptacles for wet and corrosive locations

Standard Materials:

- Receptacle housings – copper-free aluminum
- Insulators (plug and receptacle) – *Krydon* material
- Crimp/solder contacts – leaded red brass
- Enclosure and operating handle – *Krydon* fiberglass-reinforced polyester material
- Other exterior parts – stainless steel

Standard Finishes:

- Copper-free aluminum – baked-on powder epoxy
- Stainless steel – natural
- Leaded red brass – electro-tin-plated
- Enclosure – natural (gray)
- Insulator (plug and receptacle) – natural (red)

Options:

Description	Suffix
Special polarity – for use where two or more receptacles for the same ampere rating, style and number of poles are to be installed in the same area for use on different voltages. Receptacle interior rotated 22½° to right (viewed from face) and matching plug	S4

Hubs for other conduit sizes can be supplied. See page 677.

*30 and 60A Style 2 only.

3P

3P

NSR Arktite® Interlocked Receptacles With Enclosed Disconnect Switches

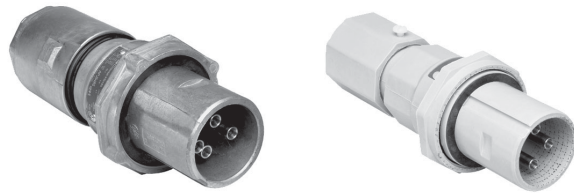
APJ/NPJ Arktite Plugs††

240 and 600 VAC
250 VDC
NEMA 3, 3R, 4, 4X, 12
Watertight
Corrosion-Resistant

		240VAC/250VDC				600VAC/250VDC			
Amps	Conduit Opening Sizes§	Style 1† 3-wire, 3-pole Cat. #	Style 2† 3-wire, 4-pole Cat. #	AC HP Rating	DC HP Rating	Style 1† 3-wire, 3-pole Cat. #	Style 2† 3-wire, 4-pole Cat. #	AC HP Rating	DC HP Rating
Fusible									
30	3/4	NSR331†	NSR332†	3	5	NSR3351*	NSR3352*	7½	5
60	1¼	NSR631†	NSR632†	5	10	NSR6351*	NSR6352*	20	10
100	2	NSR1031†	NSR1032†	10	20	NSR10351*	NSR10352*	30	20
Non-Fusible									
30	3/4	NSR3341	NSR3342	7½	5	NSR33541	NSR33542	20	5
60	1¼	NSR6341	NSR6342	20	10	NSR63541	NSR63542	50	10
100	2	NSR10341	NSR10342	30	20	NSR103541	NSR103542	75	20

APJ/NPJ Plugs

600VAC/250VDC, with Cable Grip and Neoprene Bushing

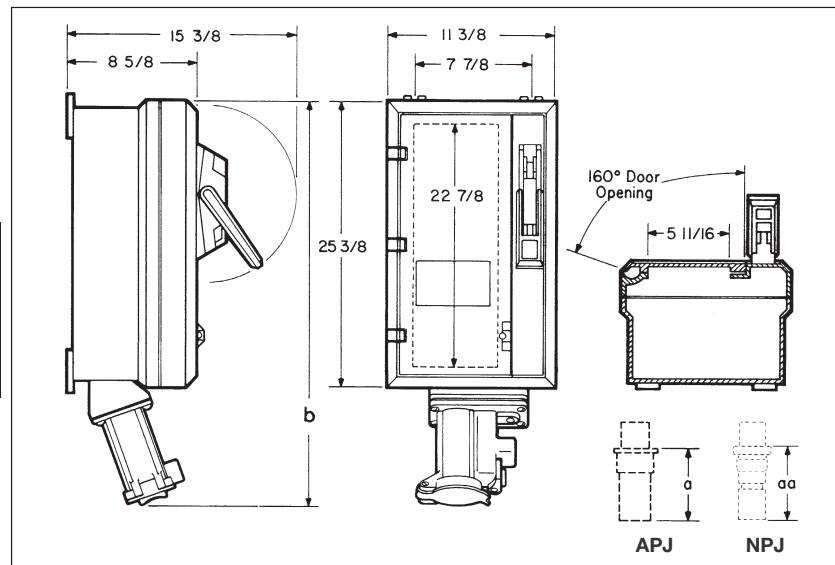


Amps	Cable O.D. Range	Style 1† 3-wire, 3-pole Cat. #	Style 2† 3-wire, 4-pole Cat. #
30	0.60 to 1.20	APJ3375	APJ3485
	0.55 to 0.70		NPJ3483
	0.70 to 0.85		NPJ3484
60	0.75 to 1.45	APJ6375	APJ6485
	0.75 to 1.07		NPJ6484
	1.07 to 1.35		NPJ6485
100	1.00 to 1.70	APJ10377	APJ10487
	0.93 to 1.21		NPJ10486
	1.21 to 1.50		NPJ10487

*Arranged for NEC Class H fuses. May be field converted to NEC Class J fuses.
†Fuse clips accommodate NEC Class H fuses. For NEC Class J fuses, use 600V switches.
†Style 1 – Grounded through shell. Style 2 – Grounded through extra pole and shell. For a detailed description of these grounding methods, see page 1314.
§For alternate hub sizes, refer to catalog page 856.
††Pressure connectors are supplied as standard. To specify crimp/solder type terminators add the suffix "T" to the catalog number. For example: APJ3375-T (Plug).

Dimensions

In Inches:



Amps	b	a	aa
30	31⅜	4⅜	7
60	33	5⅜	6⅜
100	33⅜	6⅜	7⅜

Dim. "a" and "aa" are exposed portion of plug when engaged with receptacle.