

U-Line™ N1 and N2 Series 20 Amp Receptacles

With Explosionproof Nonmetallic Intraground™ Enclosure

125 Vac, 20 Amp, 1 HP; 250 Vac, 20 Amp, 2 HP. Dead-Front Safety Construction.

NEC — N1 Series (Non-Factory Sealed):
Class I, Division 1, Groups C, D
Class I, Division 2, Groups B, C, D
NEMA 3, 3R, 3RX, 4X, 7CD

NEC — N2 Series (Factory Sealed):
Class I, Division 2, Groups B, C, D
Class II, Division 1 and 2, Groups F, G
NEMA 3, 3R, 3RX, 4X, 7BCD, 9FG

Applications

- Locations where receptacles are used with stationary or portable electrically operated devices such as:
 - Lighting systems
 - Conveyors
 - Heaters
 - Motor-generator sets
 - Air conditioners
 - Compressors
 - Pumps
- Locations where damp or corrosive conditions exist.

Features

- Nonmetallic construction with metal imbedded grounding grid eliminates need for extra grounding components.
- Feed-thru or dead-end grounded 1/2" or 3/4" conduit openings for threaded conduit via provided 1/2" or 3/4" reducers.
- Special grounding wire provides safe grounding when cover is removed.
- Excellent resistance to ultraviolet light, water, fungi and mold.
- Excellent conduit connection strength.
- Superior flammability resistance.
- Enclosure walls are 5/16" thick.
- Silicone gasket, specially designed for the labyrinth-path joint, prevents entrance of moisture without interfering with the venting of cooled hazardous gases and vapors.
- Explosionproof when sealing fittings (sold separately) are installed at each conduit entrance of the N1 enclosure.

Materials

- N1 enclosure: natural color, high strength 30% glass-reinforced thermoplastic polyetherimide
- N2 enclosure: blue color, high strength 30% glass-reinforced thermoplastic polyetherimide
- Gasket: silicone

NEC Certifications and Compliances

- UL Standard: UL 1010 (UL 1203)
- UL Listed: E10784

Related Products

- Sealing fitting must be installed at each conduit entrance of the N1 enclosure to be explosionproof. See *Hazardous Fittings Section*.



Illustrated Features

Unique labyrinth-path construction assures flame-tight joint between body and cover.



Aluminium grounding grid, imbedded into the nonmetallic enclosure during molding, provides complete grounding system. No field work. No extra grounding wires or parts required.



APPLETON™

PLUGS AND RECEPTACLES: NEC/CEC HAZARDOUS LOCATION

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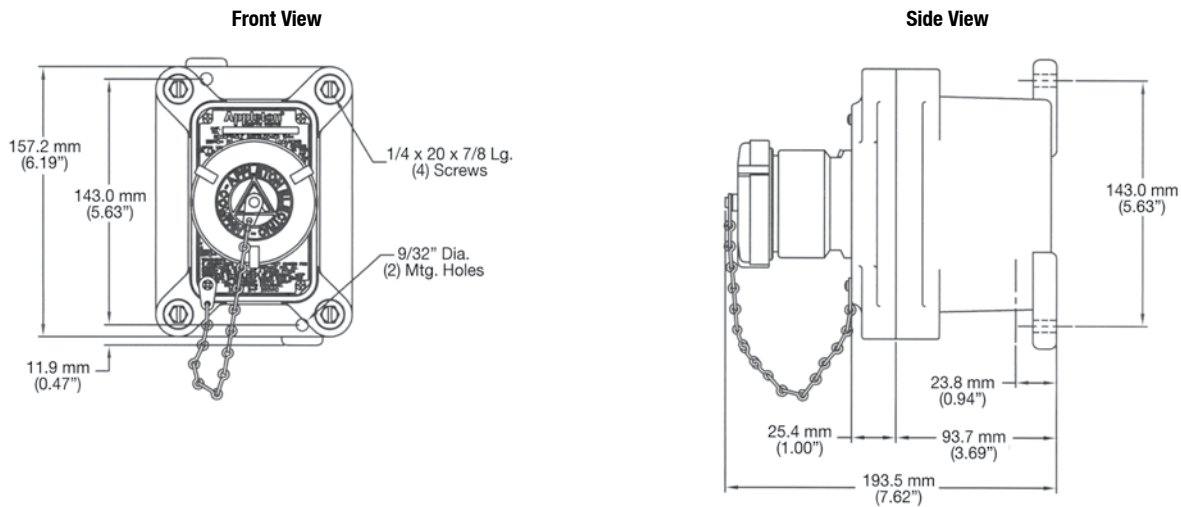
Aluminum Epoxy Coated Receptacle with Nonmetallic Enclosure

	Hub Size (Inches) ①	Wire/Pole	Volts	Catalog Number	
				N1 Series ②	N2 Series
 Dead-End	1/2 or 3/4	2W, 3P	125 	N1D75-2023	N2D75-2023
	1/2 or 3/4	2W, 3P	250 	N1D75-20232	N2D75-20232
 Feed-Thru	1/2 or 3/4	2W, 3P	125 	N1DC75-2023	N2DC75-2023
	1/2 or 3/4	2W, 3P	250 	N1DC75-20232	N2DC75-20232

APPLETON™

PLUGS AND RECEPTACLES: NEC/CEC HAZARDOUS LOCATION

Dimensions in Millimeters (Inches)



① Furnished with a 1/2" to 3/4" reducer for each hub.

② Sealing fittings must be field installed adjacent to N1 receptacle enclosure on all conduit runs.

U-Line™ Interchanger 20 Amp Plugs

For U-Line™ Intraground™ N1 and N2 Series 20 Amp Receptacles.

These watertight ① plugs also fit NEMA 5-20R or 6-20R receptacles in nonclassified areas. Choice of Aluminum or Thermoplastic Polyester Plug.

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups F, G

Class III

NEMA Type 4

Applications

- U-Line™ Interchanger ECP plug: suitable for use in such areas as refineries, petrochemical plants, and other areas subject to where ignitable gases are present.
- NCP Plug: ideal where moisture or corrosion is a constant problem, such as production facilities on marine platforms, and pipeline transportation facilities.









Features

- Unique blade-type, brass contacts exert constant pressure along entire contact surface and provide superior electrical contact.
- Insulators provide superior dielectric and mechanical strength and lowest arc tracking.
- Longer plug housing for better gripping and easier plug insertion and withdrawal.

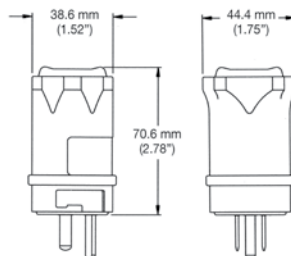
- Plugs fits any standard non-explosionproof receptacle (NEMA 5-20R, or 6-20R) as well as U-Line™ explosionproof receptacles.
- ECP plug: a twist of the plug produces audible "click" to indicate fast make and break of built-in switch contacts. Twisting plug locks it in place and cannot be accidentally pulled out.
- NCP plug: special neoprene watertight plug bushing accommodates flexible cord ranging from .538" to .639" diameter.

Standard Materials

- ECP plug: copperfree (less than 4/10ths of 1%) aluminum
- NCP plug: 30% glass-reinforced thermoplastic polyester

	Amp	Diagram	Wire/ Pole	Cable Dia., (Inches)	Catalog Number	
					125 Vac 	250 Vac 
U-Line™ Interchanger ECP Standard Plug						
	20		2W, 3P	.538 to .639	ECP-2023	—
	20		2W, 3P	.538 to .639	—	ECP-20232
NCP Plug						
	20		2W, 3P	.538 to .639	NCP-2023	—
	20		2W, 3P	.538 to .639	—	NCP-20232

Dimensions in Millimeters (Inches)



① Watertight when unmated.