

DN9c Multipin – 20A Plugs & Receptacles

Ratings

- **Voltage**
50 VAC or 480 VAC Max/
130 VDC*
* For DC order 480V model
- **Amperage Rating**
20A Non-Current Interrupting
- **Environmental Ratings**
IP54/IP55
- **Temperature Range**
Min -40°F/Max 140°F
See pg 210 for temps below -15°F.
- **Wiring Capacity**
Min 16 AWG Max 10 AWG
- **Listings**
Contact Customer Service

Receptacle (female)



*Don't forget to
add installation
accessories to
your order*



Voltage	Polarity	Part # Metal
50V	6P	19-14060
50V	7P	19-14070
50V	8P	19-14080
50V	9P	19-14090
480V	5P+G	19-14051
480V	6P+G	19-14061
480V	7P+G	19-14071
480V	8P+G	19-14081

Inlet (male)



Voltage	Polarity	Part # Metal
50V	6P	19-18060
50V	7P	19-18070
50V	8P	19-18080
50V	9P	19-18090
480V	5P+G	19-18051
480V	6P+G	19-18061
480V	7P+G	19-18071
480V	8P+G	19-18081

Main Options



**Mushroom
Pawl**



Padlock Pawl



**Self-Ejecting
Devices**

** Requires straight
insertion receptacle or
inlet and self-ejecting
plug or connector*

Receptacle Options

Part

Straight Insertion	Recept # - A188
Self-Ejecting Connector Release	Recept # - 348-A188
HP Watertightness (high pressure)	Recept # - HP
Mushroom Pawl	Recept # - 375
Locking Mushroom Pawl	Recept # - 845
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # - 375- 843
Closed Lid Configuration	Recept # - NC

Inlet Options

Part

Self-Ejecting Plug Release	Inlet # - 338-A188
Straight Insertion	Inlet # - A188



*See pgs 187-196 for detailed
information on these options*

DN9c Order Example:

*To order Closed Lid Configuration on a receptacle
add -NC to the part numbers.*

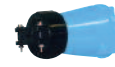
DN9c Receptacle 9P=19-14090-NC

*Appropriate accessory part numbers must also be
included on the order.*

Installation Accessories

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles

Handles



Not NEMA 3R

Makes connector closures easier

NPT	Poly Handle	Metal* Handle
1/2"	3PH12	3H12
3/4"	3PH34	3H34
1"	3PH1	3H1
1 1/4"	3PH114	3H114

Cable Range	Nylon Handle	Neoprene Handle	Poly Handle w/Clamp & Bushing	Poly Handle w/built in Draw Grips
.32 - 1.25	—	—	—	FH311-473
.38 - 1.12	—	31-311	—	—
.39 - 1.18	FH311	—	—	—
.750 - .875	—	—	3PM514	—
.875 - 1.000	—	—	3PM516	—
1.000 - 1.125	—	—	3PM518	—
1.125 - 1.250	—	—	3PM520	—
1.250 - 1.375	—	—	3PM522	—

Notes: • Finger draw plates are recommended for easier connector closure on cord to cord assemblies.
• For available cord grips, see pgs 183-184.
* For metal devices only

Angles



Metal 30° Angle	Metal 70° Angle	Metal Angle FS/FD Box 30°	Metal Straight Adapter
MA3	89-3A027	MAFS3	MS3

NPT Guidelines

Cable Range	NPT
.062 - .5	1/2"
.187 - .75	3/4"
.437 - 1.10	1"
.750 - 1.375	1 1/4"

NPT sizes are determined by the cable diameter and third party cord grip.

Junction Boxes



30.1 in³+

NPT	Metal Box	Metal Box Metal Angle 30°
1/2"	MB312	39-3A053-080-12
3/4"	MB334	39-3A053-080-34
1"	MB31	39-3A053-080-1
1 1/4"	MB3114	39-3A053-080-114

* Interior volume with receptacle installed.

Miscellaneous Accessories



* Set of Two (2)

For Male Devices Only

Finger Drawplates	Protective Neoprene Cap	Cord Grip with Mesh
FDP3	DN16R	see pgs 183-184

* Recommended for cord to cord assembly applications, for easier connector closure

Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)
19-18060 + FH311



Female Receptacle with Angle Adapter
19-14060 + MA3



DN20c Multipin – 20A Plugs & Receptacles

Ratings

- Voltage**
50 VAC or 480 VAC Max/
130 VDC*
* For DC order 480V model
- Amperage Rating**
20A Non-Current Interrupting*
* The amperage rating is 15A when more than 12 contacts are used for power circuits (not control).
- Environmental Ratings**
IP54/IP55
- Temperature Range**
Min -40°F/Max 140°F
See pg 210 for temps below -15°F.
- Wiring Capacity**
Min 16 AWG Max 10 AWG
- Listings**
Contact Customer Service

Receptacle (female)



Don't forget to
add installation
accessories to
your order



Inlet (male)



Voltage	Polarity	Part # Metal
50V	10P	19-64100
50V	11P	19-64110
50V	12P	19-64120
50V	13P	19-64130*
50V	14P	19-64140*
50V	15P	19-64150*
50V	16P	19-64160*
50V	17P	19-64170*
50V	18P	19-64180*
50V	19P	19-64190*
50V	20P	19-64200*
480V	9P+G	19-64091
480V	10P+G	19-64101
480V	11P+G	19-64111
480V	12P+G	19-64121
480V	13P+G	19-64131*
480V	14P+G	19-64141*
480V	15P+G	19-64151*
480V	16P+G	19-64161*
480V	17P+G	19-64171*
480V	18P+G	19-64181*
480V	19P+G	19-64191*

Voltage	Polarity	Part # Metal
50V	10P	19-68100
50V	11P	19-68110
50V	12P	19-68120
50V	13P	19-68130*
50V	14P	19-68140*
50V	15P	19-68150*
50V	16P	19-68160*
50V	17P	19-68170*
50V	18P	19-68180*
50V	19P	19-68190*
50V	20P	19-68200*
480V	9P+G	19-68091
480V	10P+G	19-68101
480V	11P+G	19-68111
480V	12P+G	19-68121
480V	13P+G	19-68131*
480V	14P+G	19-68141*
480V	15P+G	19-68151*
480V	16P+G	19-68161*
480V	17P+G	19-68171*
480V	18P+G	19-68181*
480V	19P+G	19-68191*

Main Options



**Mushroom
Pawl**



**Self-Ejecting
Devices**

* Requires straight
insertion receptacle or
inlet and self-ejecting
plug or connector

Receptacle Options

Receptacle Options	Part #
Straight Insertion	Recept # - A188
Self-Ejecting Connector Release	Recept # - 348-A188
HP Watertightness (high pressure)	Recept # - HP
Mushroom Pawl	Recept # - 375
Locking Mushroom Pawl	Recept # - 845
Padlock Pawl	Recept # - 843
Padlockable Mushroom Pawl	Recept # - 375- 843
180° Opening Lid	Recept # - 180
Closed Lid Configuration	Recept # - NC

Inlet Options

Inlet Options	Part #
Self-Ejecting Plug Release	Inlet # - 338-A188
Straight Insertion	Inlet # - A188

DN20c Order Example:

To order Closed Lid Configuration on a receptacle
add **-NC** to the receptacle part numbers.

DN20c Receptacle 19P=19-64190-**NC**

Appropriate accessory part numbers must also be
included on the order.

Installation Accessories

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles

Handles



NPT	Poly Handle	Metal* Handle	Cable Range	Santoprene™ Handle	Poly Handle w/Clamp & Bushing
3/4"	9PH34	9H34	.70 - 1.00	65-9A013-D25	—
1"	9PH1	9H1	1.00 - 1.375	65-9A013-D35	—
1 1/4"	9PH114	9H114	1.250 - 1.375	—	9PM622
1 1/2"	9PH112	9H112	1.375 - 1.750	65-9A013-D45	—
2"	9PH2	9H2	1.438 - 1.562	—	9PM625
			1.562 - 1.688	—	9PM627
			1.688 - 1.812	—	9PM629

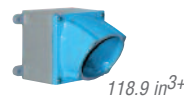
Notes: • For available cord grips, see pgs 183-184.
* For metal devices only

Angles



Metal 30° Angle	Metal 70° Angle	Metal Straight Adapter
MA10	89-9A027	MS10

Junction Boxes



NPT	Metal Box	Metal Box Metal Angle 30°
1 1/4"	MB10114	39-9A053-080-114
1 1/2"	MB10112	39-9A053-080-112
2"	MB102	39-9A053-080-2
2 1/2"	MB10212	39-9A053-080-212

+ Interior volume with receptacle installed.

NPT Guidelines

Cable Range	NPT
.062 - .5	1/2"
.187 - .75	3/4"
.437 - 1.10	1"
.750 - 1.375	1 1/4"
.890 - 1.650	1 1/2"
1.125 - 2.438	2"
1.750 - 2.565	2 1/2"

NPT sizes are determined by the cable diameter and third party cord grip.

Miscellaneous Accessories



For Male Devices Only

Protective Neoprene Cap

DN63R

Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)
19-68200 + 65-9A013-D25



Female Receptacle with Angle Adapter
19-64200 + MA10



DN7c Multipin – 50-150A Plugs & Receptacles

Ratings

- **Voltage**
480 VAC Max/130 VDC*
* For DC order 480V model
- **Amperage Rating**
50A Non-Current Interrupting
90A Non-Current Interrupting
150A Non-Current Interrupting
- **Environmental Ratings**
IP54/IP55
- **Temperature Range**
Min -40°F/Max 140°F
See pg 210 for temps below -15°F.
- **Wiring Capacity**
50A Min 14 AWG Max 6 AWG
90A Min 8 AWG Max 2 AWG
150A Min 4 AWG max 2/0 AWG
- **Listings**
Contact Customer Service

Receptacle (female)



Voltage	Polarity	Amperage	Part # Metal
480V	6P+G	50A	19-34061
480V	6P+G	90A	19-64061
480V	6P+G	150A	39-94061

Inlet (male)



Voltage	Polarity	Amperage	Part # Metal
480V	6P+G	50A	19-38061
480V	6P+G	90A	19-68061
480V	6P+G	150A	39-98061

Installation Accessories

Order Example

A typical order should include an inlet part number, a receptacle part number **AND** the matching handles, angles or other required accessories.



Male Inlet with Handle (Plug)
19-38061 + 6PH34



Female Receptacle with Angle Adapter
19-34061 + MA6

Miscellaneous Accessories



* Set of Two (2)



For Male Devices Only

Amp	Finger Drawplates	Protective Neoprene Cap
50A	FDP6	—
90A	—	DN63R
150A	—	31-2A126

* Recommended for cord to cord assembly applications, for easier connector closure

Installation Accessories

Unless indicated otherwise, accessories can be used with either poly or metal plugs and receptacles

Handles



NPT	50A	Poly Handle 90A	150A	50A	Metal Handle* 90A	150A
1/2"	6PH12	—	—	6H12	—	—
3/4"	6PH34	9PH34	—	6H34	19-6A013-34	—
1"	6PH1	9PH1	—	6H1	19-6A013-1	2H1
1 1/4"	6PH114	9PH114	—	6H114	19-6A013-114	2H114
1 1/2"	6PH112	9PH112	2PH112	6H112	19-6A013-112	2H112
2"	—	9PH2	2PH2	—	19-6A013-2	2H2
2 1/2"	—	—	2PH212	—	—	2H212



Not NEMA 3R

IP 66/67

IP 66/67

Cable Range	Nylon Handle 50A	Neoprene Handle	Santoprene™ Handle 90A	Santoprene™ Handle 150A	Poly Handle w/Clamp & Bushing 50A	90A
.50 - 1.25	—	31-611 (50A)	—	—	—	—
.51 - 1.38	FH611	—	—	—	—	—
.70 - 1.00	—	—	65-9A013-D25	—	—	—
1.00 - 1.375	—	—	65-9A013-D35	35-2A013-D35	—	—
1.250 - 1.375	—	—	—	—	6PM622	9PM622
1.375 - 1.750	—	—	65-9A013-D45	35-2A013-D45	—	—
1.438 - 1.562	—	—	—	—	6PM625	9PM625
1.562 - 1.688	—	—	—	—	6PM627	9PM627
1.688 - 1.812	—	—	—	—	6PM629	9PM629
1.750 - 1.930	—	—	—	35-2A013-D49	—	—

Notes: • Finger draw plates are recommended for easier connector closure on cord to cord assemblies.

• For available cord grips, see pgs 183-184.

* For metal devices only

• For a guideline of NPT sizes based on cable ranges, see DN20 pg 116.

Angles



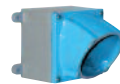
Amp	Metal 30° Angle	Metal 70° Angle	Metal Angle+ Oversized 30°	Metal Angle+ Oversized 45°	Metal Straight Adapter	Metal Lateral Angle 30°
50A	MA6	89-6A027	MA660	—	MS6	MAB6
90A	MA10	89-9A027	MA110	—	MS10	—
150A	MA20	—	—	MA220	MS20	—

+ Mounts on oversize box only. Use next size up.

Junction Boxes



60.9 in³+



114.5 in³+

250.0 in³+

NPT	50A	Metal Box 90A	150A	50A	Metal Box with Metal Angle 30° 90A	150A
1"	MB61	—	—	39-6A053-080-1	—	—
1 1/4"	MB6114	MB10114	—	39-6A053-080-114	39-9A053-080-114	—
1 1/2"	MB6112	MB10112	MB20112	39-6A053-080-112	39-9A053-080-112	39-2A053-080-112
2"	MB62	MB102	MB202	39-6A053-080-2	39-9A053-080-2	39-2A053-080-2
2 1/2"	—	MB10212	MB20212	—	39-9A053-080-212	39-2A053-080-212
Oversized	—	—	MB22212	—	—	39-2A053-080-2210

+ Interior volume with receptacle installed.