

Brad® Mini-Change® A-Size Receptacles With Leads

130013

**Female Straight, Right Angle
Front Mount
External Thread**



Features and Benefits

- Patented Quad Beam™ contact provides high reliability and low resistance

Reference Information

UL File No.: E152210

CSA File No.: LR6837

Physical

Connector Face: PVC

Shell Material:

Zinc with black epoxy coat or anodized Aluminum

Contact: Brass with Gold over Nickel plate

Operating Temperature: -20° to +105° C

Environmental

Protection: IP67

Configuration			
Wire Type	PVC, UL1061	PVC, UL1061	PVC, UL1061
Wire Size AWG	16	16	16
Length	12"	12"	12"

Poles (Female View)	Current	Voltage	Engineering No.	Standard Order No.	Engineering No.	Standard Order No.	Engineering No.	Standard Order No.
2-Pole 1 - White 2 - Black	13.0A	600V AC/DC	1R2004A20A120	130013-0060	1R2005A20A120	130013-0074	1R2604A20A120	130013-0093
3-Pole 1 - Green/Yellow-gnd 2 - Black 3 - White	13.0A	600V AC/DC	1R3004A20A120	130013-0135	1R3005A20A120	130013-0184	1R3604A20A120	130013-0273
4-Pole 1 - Black 2 - White 3 - Red 4 - Green/Yellow-gnd	10.0A	600V AC/DC	1R4004A20A120	130013-0314	1R4005A20A120	130013-0337	1R4604A20A120	130013-0402
5-Pole 1 - White 4 - Orange 2 - Red 5 - Black 3 - Green/Yellow-gnd	8.0A	600V AC/DC	1R5004A20A120	130013-0442	1R5005A20A120	130013-0482	1R5604A20A120	130013-0550
6-Pole 1 - White 2 - Red 3 - Green/Yellow-gnd 4 - Orange 5 - Black 6 - Blue	8.0A	600V AC/DC	1R6004A20A120	130013-0567	1R6005A20A120	130013-0589	1R6604A20A120	130013-0614

Note: Sales drawings for all standard order numbers are available on molex.com

Configuration Code*
Build-a-Part Number

	Length	Code
Inches	12	A120
Feet	6	F060

1R2004A20A120

Coupling Nut Option
Stainless Steel1†
Nonmetallic2‡

Orientation Code
Straight female..... 004
Right angle female..... 005
Straight flange mount female shell..... G04

*Once an engineering number is created using the configuration code, consult Molex tech support for information regarding any part numbers.

†Stainless steel available only with straight, 1/2"-14 NPT shell or flange shell.

‡Nonmetallic available only with straight, 1/2"-14 NPT shell.

Receptacle Catalog Number Matrix

Use these Catalog Number Matrices to generate a custom or existing part number. From each grouping of specifications choose the corresponding code to create a single 13 character alpha/numeric part number for ordering. Below is an example of a properly constructed Receptacle part number and how it translates to an actual part.

3R2004A20A1201

12 Pole Female Straight Receptacle with 12" leads, 16 AWG, PVC, U.S. Color Code, Optional Stainless Steel Shell

3 R 2 0 0 4 A 2 0 A 1 2 0 1
