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**Part Number:** [120031-0118](#)  
**Status:** **Active**  
**Overview:** [Brad® Nano-Change® &#40;M8&#41; Products](#)  
**Description:** Nano-Change® (M8) Receptacle, M8 x 1.0 Mounting Threads, Straight Female, 4 Poles, Back Panel Mount

**Documents:**

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**General**

|                |  |
|----------------|--|
| Product Family | Industrial Receptacles   |
| Series         | <a href="#">120031</a>   |
| IP Rating      | IP67   |
| NEMA Rating    | NEMA 6   |
| Overview       | <a href="#">Brad® Nano-Change® &amp;#40;M8&amp;#41; Products</a> |
| Product Name   | Nano-Change® (M8)  |
| Type           | Single Ended (pigtail)   |
| UPC            | 883906178024   |

**Physical**

|                               |                     |
|-------------------------------|---------------------|
| Coupling Type                 | Internal Thread     |
| Gender                        | Female              |
| Keyway                        | None                |
| Length                        | N/A                 |
| Material - Component          | Nickel-plated Brass |
| Mounting Thread Size          | M8 x 1.0            |
| Net Weight                    | 11.380/g            |
| Orientation                   | Straight            |
| Panel Mount                   | Back                |
| Poles                         | 4                   |
| Temperature Range - Operating | -25°C to +90°C      |
| Wire Size AWG                 | 24                  |
| Wire/Cable Type               | Leads               |

**Electrical**

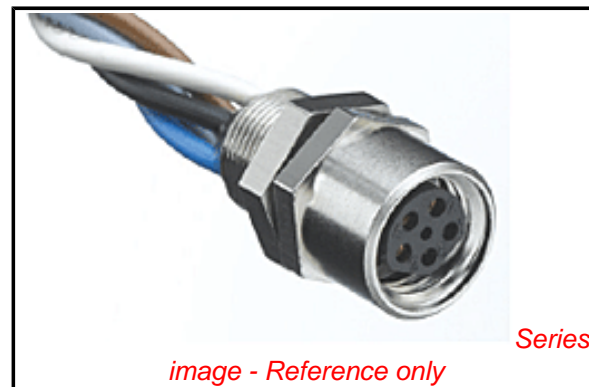
|                               |                 |
|-------------------------------|-----------------|
| Current - Maximum per Contact | 4A              |
| Voltage - Maximum             | 60V AC / 75V DC |

**Material Info**

|                 |            |
|-----------------|------------|
| Old Part Number | 4R4H400013 |
|-----------------|------------|

**Reference - Drawing Numbers**

|               |               |
|---------------|---------------|
| Sales Drawing | SD-120090-012 |
|---------------|---------------|



**EU RoHS**

**RoHS Compliant by Exemption**  
**REACH SVHC Not Reviewed**  
**Low-Halogen Status Not Reviewed**

**China RoHS**



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Email [productcompliance@molex.com](mailto:productcompliance@molex.com)  
 For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

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[120031Series](#)