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Part Number: [120500001](#)
Status: **Active**
Overview: Brad M12 Power Connector System
Description: Brad M12 Power Single-Ended Cordset, 4 Poles, Female (Straight) to Pigtail, F-Coded, 14 AWG, TC-ER (K18) Cable, 2.0m (6.56') Length

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification PS-120500-001-001 \(PDF\)](#)

General

| | |
|--------------------|---|
| Product Family | Industrial Cordsets |
| Series | 120500 |
| Application | Power |
| Connector End A | Ultra-Lock (M12) |
| Connector End B | Pigtail |
| IP Rating | IP67 |
| Material - Contact | Copper Alloy |
| Overview | Brad M12 Power Connector System |
| Product Name | Brad M12 Power |
| Protocol | N/A |
| Type | Single Ended |
| UPC | 78172540692 |

Physical

| | |
|-------------------------------|----------------------------|
| Cable Diameter | 17.53-22.35mm (.690-.880") |
| Cable Length | 2.0m (6.56') |
| Color - Cable Jacket | Black |
| Coupling Style | Push to Lock |
| Gender | Female-Pigtail |
| Keyway | F-coded |
| Material - Cable Jacket | TPE |
| Material - Connector Body | Nickel-plated Brass |
| Material - Coupling Nut | Nickel-plated Brass |
| Material - O-Ring | Fluoro-elastomer |
| Material - Plating Mating | Gold over Nickel |
| Orientation | Straight to Pigtail |
| Poles | 4 |
| Temperature Range - Operating | -20°C to +90°C |
| Wire Size AWG | 14 |
| Wire/Cable Type | TC-ER |

Electrical

| | |
|-------------------------------|------------|
| Current - Maximum per Contact | 16.0A |
| Voltage - Maximum | 300V AC/DC |

Material Info

| | |
|--------------------|----------------|
| Engineering Number | F0P4000K18M020 |
|--------------------|----------------|

Reference - Drawing Numbers

| | |
|-----------------------|-------------------|
| Product Specification | PS-120500-001-001 |
| Sales Drawing | SD-120500-002 |



Series image - Reference only

EU ELV

Not Relevant

EU RoHS

Compliant with Exemption 6(c)

REACH SVHC

Not Contained Per - ED/108/2014 (17 Dec 2014)

Halogen-Free

Status

Not Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

| | |
|-----------------|---------------|
| China ROHS | 50 Image |
| ELV | Not Relevant |
| RoHS Phthalates | Not Contained |

Search Parts in this Series

[120500 Series](#)

Mates With

Brad M12 F-Coded Power Male Receptacle 120502

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