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Part Number: [120500002](#)
Status: **Active**
Overview: Brad® M12 Power Connector System
Description: Brad® M12 Power Single-Ended Cordset, 4 Poles, Female (90°) 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
Overview	Brad® M12 Power Connector System
Product Name	Brad® M12 Power
Type	Single Ended
UPC	78172540693

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
Keyway	F-coded
Material - Cable Jacket	TPE
Material - Connector Body	Nickel-plated Brass
Material - Contact	Copper Alloy
Material - Coupling Nut	Nickel-plated Brass
Material - O-Ring	Fluoro-elastomer
Material - Plating Mating	Gold over Nickel
Orientation	90° Angle
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	S04001K18M020
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Reference - Drawing Numbers

Product Specification	PS-120500-001-001
Sales Drawing	SD-120500-003



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

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[120500 Series](#)

Mates With

Brad® M12 F-Coded Power Male Receptacle [120502](#)

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[120500-0002](#)