molex



Part Number : 1204800525
Product Description : Brad M23 Power Single-Ended Cordset, 6 Poles, Female (Straight) to Pigtail, 16 AWG, Orange Shielded TPU WSOR Cable, 2.0m (6.56') Length
Series Number : 120480
Status : Active
Product Category : Circular Industrial Cordsets
Engineering Part Number : K0P6S00W01M020

Documents and Resources

Drawings

1204800525_sd.pdf

3D Models and Design Files

STEP AP242

SOLIDWORKS

Creo

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	Not Relevant
EU ELV	Not Reviewed per 2000/53/EC
Low-Halogen Status	Not Relevant
REACH SVHC	Not Reviewed per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Not Reviewed per EU 2015/863

Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C

- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest
- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Circular Industrial Cordsets
Series	120480
Description	Brad M23 Power Single-Ended Cordset, 6 Poles, Female (Straight) to Pigtail, 16 AWG, Orange Shielded TPU WSOR Cable, 2.0m (6.56') Length
Comments	WSOR Cable Jacket
IP Rating	IP67
Product Name	Brad M23
Protocol	N/A
Type	Single Ended
UPC	889056617819

Electrical

Current - Maximum per Contact	18.0A
Voltage - Maximum	600V

Physical

Cable Diameter	11.10mm (.437")
Cable Length	2.0m (6.56')
Color - Cable Jacket	Orange
Connector End A	M23
Connector End B	Pigtail

Coupling Style	Threaded
Gender	Female-Pigtail
Keyway	Multiple
LED Indicator	None
Material - Cable Jacket	TPU
Material - Connector Body	TPU
Material - Contact	Copper Alloy
Material - Coupling Nut	Brass
Material - Plating Mating	Gold
Net Weight	222.000/g
Orientation	Straight to Pigtail
Poles	6
Temperature Range - Operating	-25° to +85°C
Wire/Cable Type	UL 21939
Wire Size (AWG)	16

Mates With / Use With

Mates with Part(s)

Description	Part Number
Brad M23 Signal Connectors	120233
Brad M23 Signal Connectors	120234