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**Part Number:** [2024050810](#)  
**Status:** **Active**  
**Overview:** [MediSpec Product Family](#)  
**Description:** MediSpec™ Medical Plastic Circular Shrouded In-Line Receptacle, with Latching Feature, 8 Circuits, IP50

**Documents:**

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

**General**

Product Family	I/O Connectors
Series	<a href="#">202405</a>
Application	Wire-to-Wire
Comments	Positive latch if mated with standard plug; Passive latch if mated with disposable plug
Component Type	Receptacle
Overview	<a href="#">MediSpec Product Family</a>
Product Literature Order No	987651-1813
Product Name	MediSpec™ MPC
Type	N/A
UPC	191128194303

**Physical**

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Female
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	High Performance Alloy (HPA)
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin
Material - Resin	Medical Grade PPSU
Net Weight	4.900/g
Orientation	Straight
Packaging Type	Bag, Embossed Tape on Reel
Panel Mount	N/A
Pitch - Mating Interface	N/A
Plating min - Mating	0.762µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40°C to +105°C
Termination Interface: Style	Solder Cup
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IP50

**Electrical**

Current - Maximum per Contact	1.6A
Voltage - Maximum	300V AC (RMS)

**Material Info**

Engineering Number	202405
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**Reference - Drawing Numbers**

Sales Drawing	2024050810-SD-000
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*Series image - Reference only*

**EU ELV**

**Not Reviewed**

**EU RoHS**

**Not Reviewed**

**REACH SVHC**

Not Reviewed

**Halogen-Free**

**Status**

**Not Reviewed**

**Need more information on product environmental compliance?**

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

China ROHS	Not Reviewed
ELV	Not Reviewed
RoHS Phthalates	Not Reviewed

**Search Parts in this Series**

[202405 Series](#)

**Mates With**

MediSpec™ MPC Plug [172870-0810](#)  
<br>MediSpec™ MPC Single-Use/  
Disposable Plug [173250-0810](#)

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