



Connectors > Power Connectors > Circular Power > Circular Power Connectors > Circular Connector, Environmentally Sealed, CPC Series 6



Connector Product Type: **Housing**  
Operating Voltage: **600 VDC**  
Connector System: **Wire-to-Wire**  
Number of Positions: **37**  
Sealable: **No**

[All Circular Connector, Environmentally Sealed, CPC Series 6 \(19\)](#)

Features

Product Type Features

|                                   |              |
|-----------------------------------|--------------|
| Connector Product Type            | Housing      |
| Connector System                  | Wire-to-Wire |
| Sealable                          | No           |
| Connector & Contact Terminates To | Wire & Cable |
| Connector & Housing Type          | Plug         |
| Circular Connector Shell Type     | All Plastic  |

Configuration Features

|                            |         |
|----------------------------|---------|
| Reverse Numbering          | Without |
| Number of Positions        | 37      |
| Number of Power Positions  | 0       |
| Number of Signal Positions | 37      |

Electrical Characteristics

|  |  |
|--|--|
|  |  |
|--|--|



|                   |         |
|-------------------|---------|
| Operating Voltage | 600 VAC |
|-------------------|---------|

Contact Features

|                    |      |
|--------------------|------|
| Reverse Gender     | Yes  |
| Contact Type       | Pin  |
| Contact Protection | With |

Mechanical Attachment

|                          |                            |
|--------------------------|----------------------------|
| Mating Alignment Type    | Keyed                      |
| Mating Alignment         | With                       |
| Mating Retention Type    | Threaded Coupling          |
| Screw & Hole Thread Size | 1-3/8 - 18 UNEF-2A         |
| Polarization Code        | A                          |
| Connector Mounting Type  | Cable Mount (Free-Hanging) |
| Mating Retention         | With                       |
| Panel Mount Feature      | Without                    |

Housing Features

|                               |               |
|-------------------------------|---------------|
| Body Orientation              | Straight      |
| Housing Color                 | Black         |
| Housing Material              | Thermoplastic |
| Circular Connector Shell Size | 23            |

Usage Conditions

|                             |                            |
|-----------------------------|----------------------------|
| Operating Temperature Range | -55 – 105 °C[-67 – 221 °F] |
| Fluid Resistance            | None                       |

Operation/Application

|                     |                |
|---------------------|----------------|
| Circuit Application | Power & Signal |
| Shielded            | No             |

Industry Standards

|                        |          |
|------------------------|----------|
| UL Flammability Rating | UL 94V-0 |
|------------------------|----------|

Packaging Features

|                    |     |
|--------------------|-----|
| Packaging Quantity | 100 |
| Packaging Method   | Bag |

Product Compliance



For compliance documentation, visit the product page on TE.com>

|                                               |                                                                                                                               |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive 2011/65/EU                  | Compliant                                                                                                                     |
| EU ELV Directive 2000/53/EC                   | Compliant                                                                                                                     |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold                                                                                       |
| EU REACH Regulation (EC) No. 1907/2006        | Current ECHA Candidate List: JAN 2023 (233)<br>Candidate List Declared Against: JAN 2023 (233)<br>Does not contain REACH SVHC |
| Halogen Content                               | Not Low Halogen - contains Br or Cl > 900 ppm.                                                                                |
| Solder Process Capability                     | Not applicable for solder process capability                                                                                  |

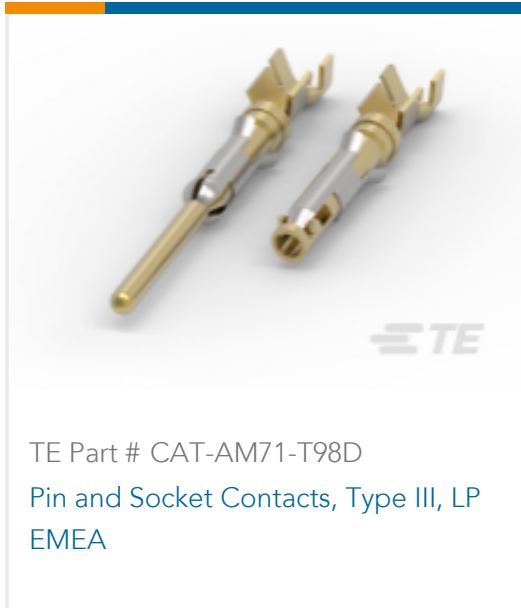
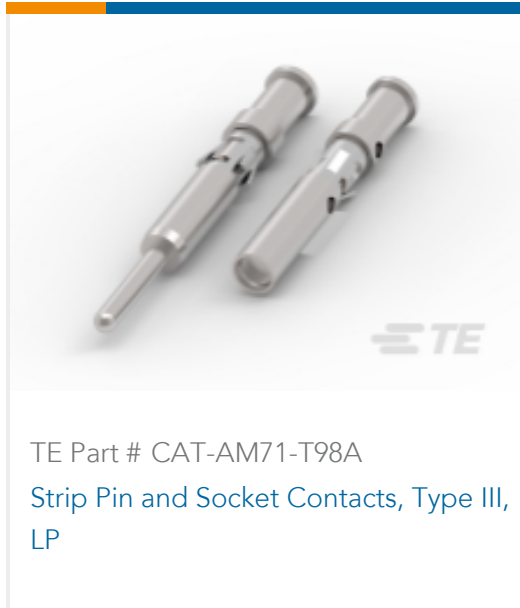
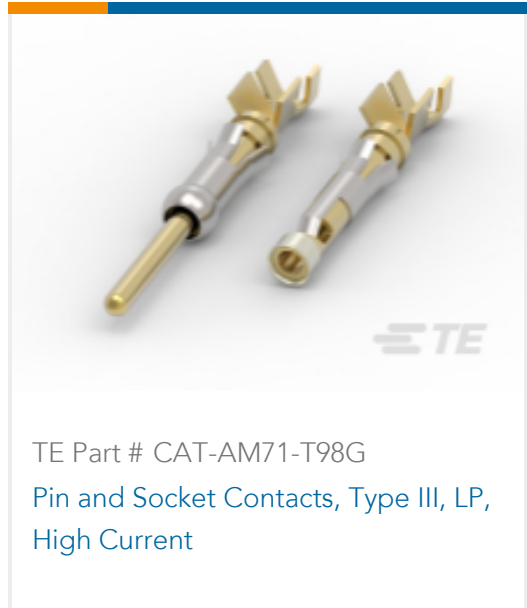
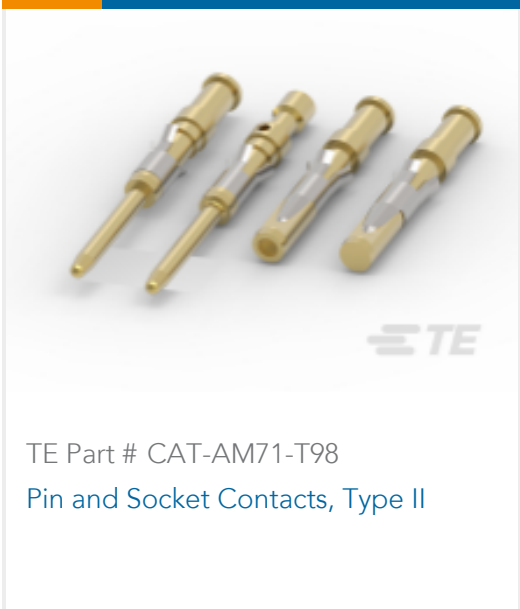
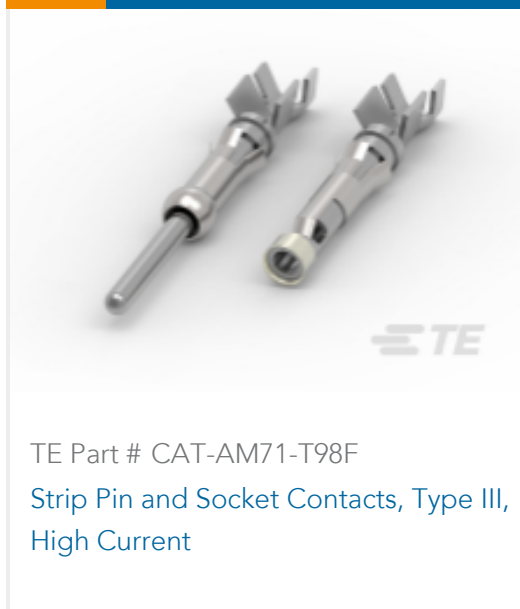
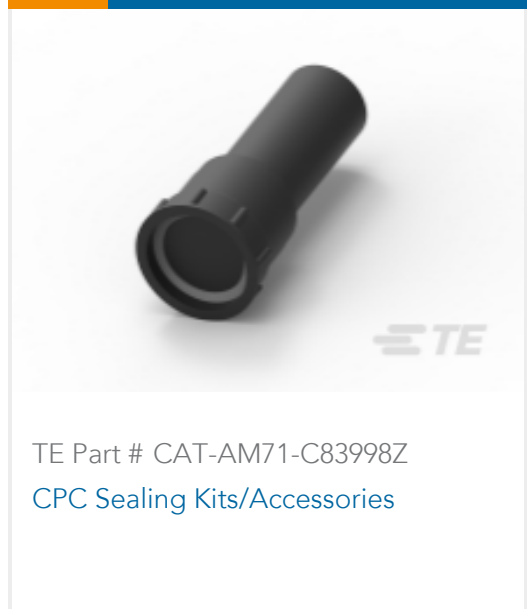
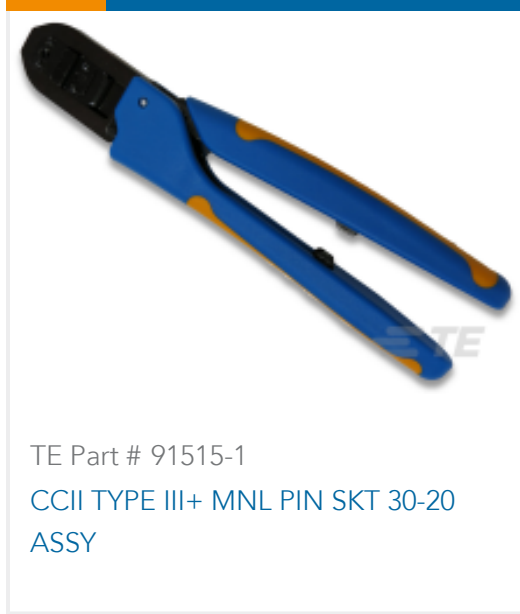
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts

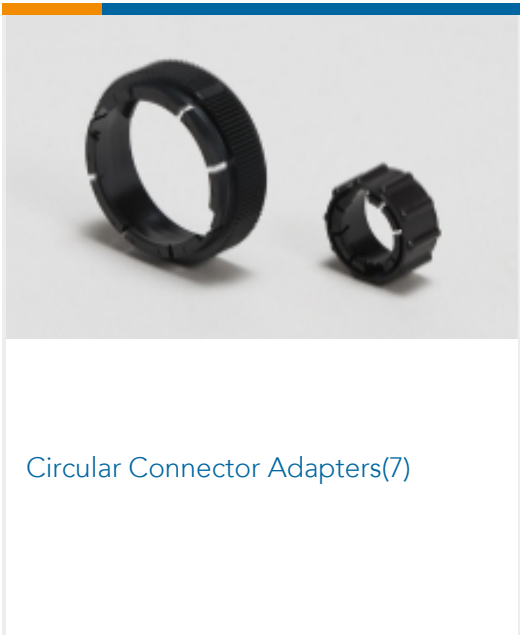
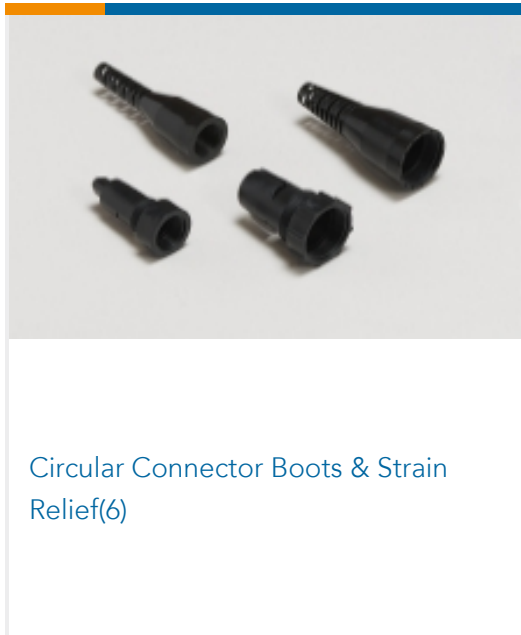
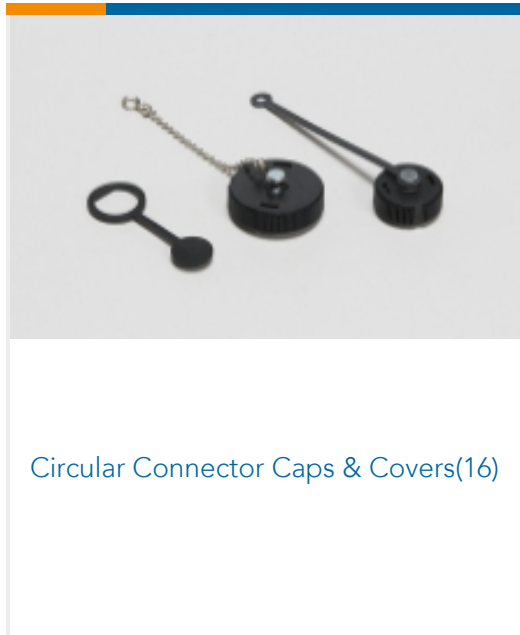
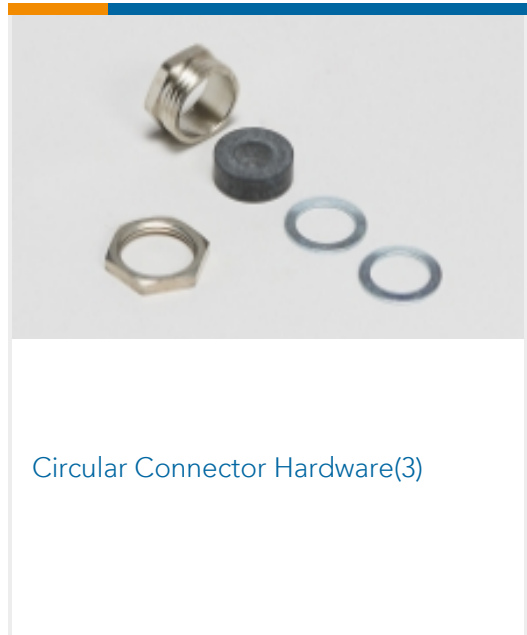
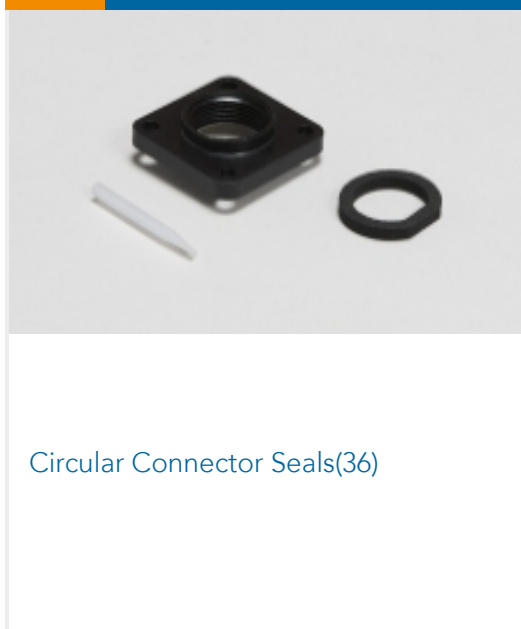
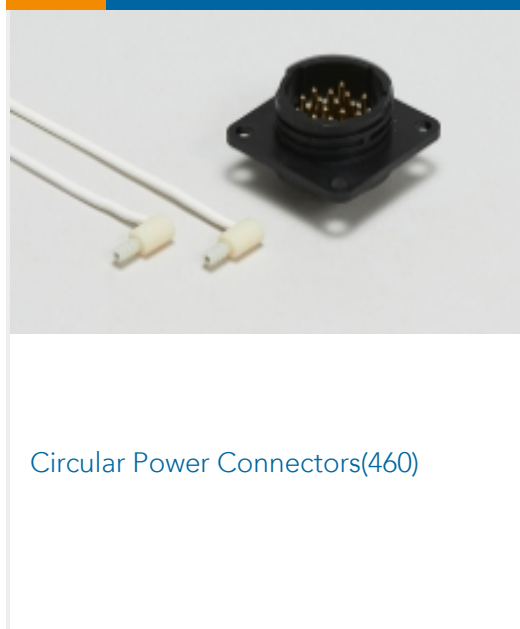
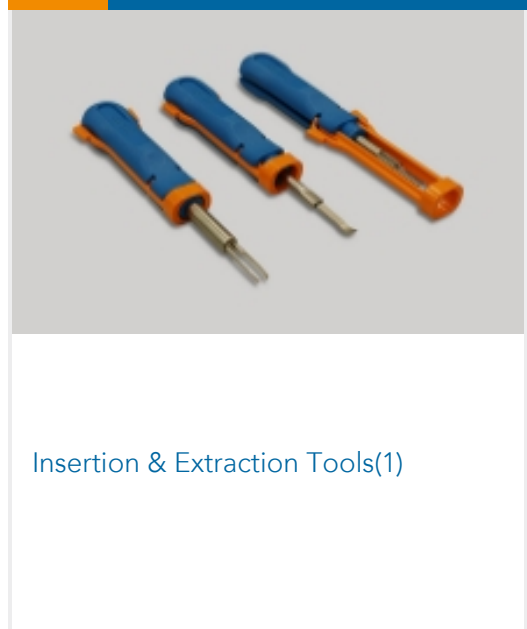
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|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-AM71-A17<br/>POWERBAND Contacts</p>   |  <p>TE Part # 207446-3<br/>SEALING CAP ASSY,SZ 23,CPC</p>                                           |  <p>TE Part # 54012-1<br/>CPC STRAIN RELIEF,SIZE 23</p> |  <p>TE Part # CAT-AM71-C83998F<br/>Connectors with Posted Pin Contacts,<br/>CPC Series 1</p> |
|  <p>TE Part # CAT-AM71-C83998B<br/>CPC Cable Clamps</p> |  <p>TE Part # CAT-AM71-C83998K<br/>Circular Connector, Environmentally<br/>Sealed, CPC Series 6</p> |  <p>TE Part # 213812-1<br/>COUPLING RING,SZ 23,CPC</p>  |  <p>TE Part # CAT-AM71-C83998L<br/>CPC Sealed Accessories</p>                                |



|                                                                                                                                                            |                                                                                                                                                                  |                                                                                                                                                                               |                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>TE Part # CAT-AM71-T98E<br/>Pin and Socket Contacts, Type III, LP</p> |  <p>TE Part # CAT-AM71-T98D<br/>Pin and Socket Contacts, Type III, LP EMEA</p> |  <p>TE Part # CAT-AM71-T98A<br/>Strip Pin and Socket Contacts, Type III, LP</p>            |  <p>TE Part # CAT-AM71-T98G<br/>Pin and Socket Contacts, Type III, LP, High Current</p> |
|  <p>TE Part # CAT-AM71-T98<br/>Pin and Socket Contacts, Type II</p>      |  <p>TE Part # CAT-AM71-T98B<br/>Strip Pin and Socket Contacts, Type III</p>   |  <p>TE Part # CAT-AM71-T98F<br/>Strip Pin and Socket Contacts, Type III, High Current</p> |  <p>TE Part # CAT-AM71-C83998Z<br/>CPC Sealing Kits/Accessories</p>                    |
|  <p>TE Part # 207299-4<br/>FLANGE PLUG</p>                              |  <p>TE Part # 91542-1<br/>CCII TYPE III+ PIN SKT 24-22 ASSY</p>              |  <p>TE Part # 91515-1<br/>CCII TYPE III+ MNL PIN SKT 30-20 ASSY</p>                      |  <p>TE Part # 91519-1<br/>CCII TYPE III+ PIN SKT 18-14 ASSY</p>                       |

Also in the Series

AMP CPC

|                                                                                                                               |                                                                                                                                             |                                                                                                                                       |                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
|  <p>Circular Connector Adapters(7)</p>     |  <p>Circular Connector Boots &amp; Strain Relief(6)</p> |  <p>Circular Connector Caps &amp; Covers(16)</p> |  <p>Circular Connector Hardware(3)</p>      |
|  <p>Circular Connector Keying Plugs(2)</p> |  <p>Circular Connector Seals(36)</p>                    |  <p>Circular Power Connectors(460)</p>           |  <p>Insertion &amp; Extraction Tools(1)</p> |



Power Contacts(6)

Sealing Sleeves(2)

Unscreened Circular Connector Backshells & Clamps(56)

Customers Also Bought

TE Part #206837-1  
Circular Connector, Environmentally Sealed, CPC Series 6

TE Part #182652-1  
23 SIZE CPC STD CLAMP

TE Part #206306-2  
23-37 F H RECEPT REV SEX

TE Part #6-102617-1  
26 MODII HDR DRRA SHRD LF

TE Part #1-2335143-1  
MINI I/O PLUG KIT TYPE II L,(100pc)

TE Part #2063487-1  
SDE TYPE III+ 0.2-2.5mm2 ASSY

TE Part #C39701-000  
B-155-3810

TE Part #9-1438789-3  
38Way Hybrid.040/2.8 Header Assy, C-Key

Documents

Product Drawings

CPC PLUG ASSEMBLY SIZE 23-37

English

CAD Files

3D PDF

3D

Customer View Model

ENG\_CVM\_CVM\_206305-1\_L.2d\_dxf.zip

English

Customer View Model

ENG\_CVM\_CVM\_206305-1\_L.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_206305-1\_L.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.



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Datasheets & Catalog Pages

AMP Circular Connectors for Commercial Signal & Power Applications

English

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Product Specifications

Application Specification

English

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Product Environmental Compliance

MD\_206305-1\_07292015913\_dmtec

English

MD\_206305-1\_07292015913\_dmtec

English

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Instruction Sheets

Instruction Sheet (U.S.)

English

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Agency Approvals

UL Report

English