

# FDBA 50H 12-10 PN-K ✓ ACTIVE

DEUTSCH | DEUTSCH FDBA

TE Internal #: ZPF000000000018715

Wire-to-Panel, Circular Connector Receptacle, 10 Position, Shell Size 12, Sealable, Wire & Cable, Power, Signal & High Speed Data, DEUTSCH FDBA

[View on TE.com >](#)



Connectors > Circular Connectors > Standard Circular Connectors



Connector System: **Wire-to-Panel**

Connector Mounting Type: **Panel Mount**

Number of Positions: **10**

Sealable: **Yes**

Connector & Contact Terminates To: **Wire & Cable**

## Features

### Product Type Features

Prewired	No
Connector Product Type	Connector Assembly
Connector System	Wire-to-Panel
Sealable	Yes
Connector & Contact Terminates To	Wire & Cable
Circular Connector Type	Circular Connector Receptacle
Shell Type	Square Flange

### Configuration Features

Number of Positions	10
Number of Power Positions	0
Number of Signal Positions	10
Contacts Preloaded	No

### Electrical Characteristics

Operating Voltage	115 VDC
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### Body Features

Environmental Protection Type	Elastomer Sealed
Primary Product Color	Natural



Shell Plating Material	Black Anodized
Shell Base Material	Aluminum
Circular Connector Insulation Material Type	Thermoset
Hermetically Sealed	No

**Contact Features**

Contact Current Rating (Max)	7.5 A
Reverse Gender	No
Contact Layout Arrangement	12 – 10
Circular Connector Contact Type	Solder Cup Pin

**Termination Features**

Termination Method to Wire & Cable	Solder
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**Mechanical Attachment**

Panel Mount Feature Type	Square Flange
Connector Mounting Type	Panel Mount

**Housing Features**

Circular Connector Shell Size	12
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**Dimensions**

Wire Size	20 – 24 AWG
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**Usage Conditions**

Operating Temperature Range	-65 – 200 °C[-85 – 392 °F]
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**Operation/Application**

Durability Rating	500 Cycles
Circuit Application	Power, Signal & High Speed Data
Shielded	No

**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	Out of Scope
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250)



Candidate List Declared Against: JAN 2025  
(247)

SVHC > Threshold:

Pb (3% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Low Halogen - Br, Cl, F < 900 ppm per homogenous material. Also BFR/CFR/PVC Free

Solder Process Capability

Not reviewed for solder process capability

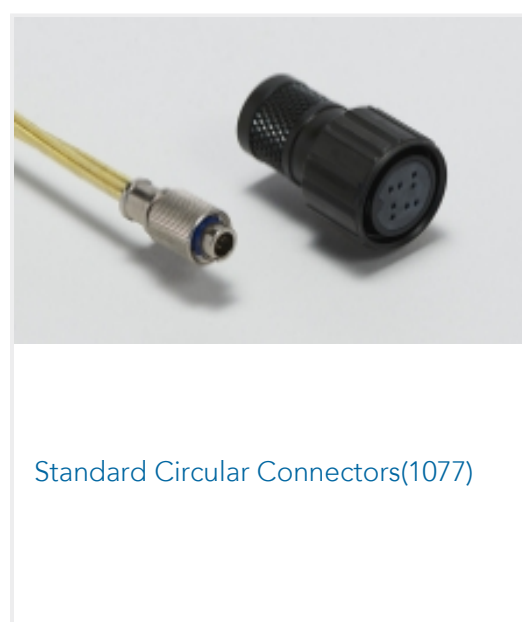
**Product Compliance Disclaimer**

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 Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

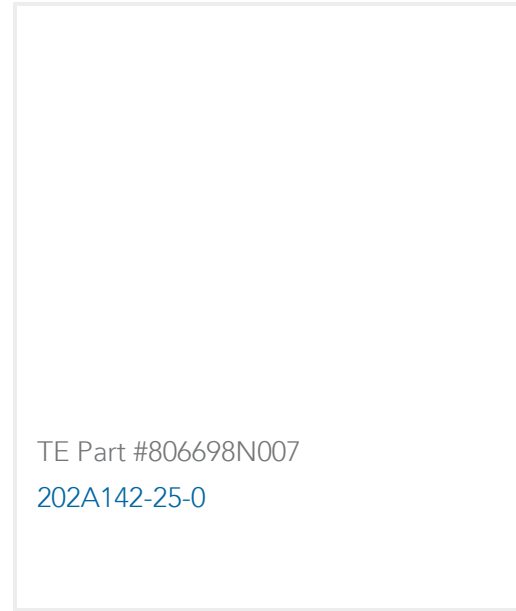
## Compatible Parts



## Also in the Series | DEUTSCH FDBA



## Customers Also Bought



## Documents

### Product Drawings

[FDBA 50H 12-10 PN-K](#)

English

### Datasheets & Catalog Pages

[DEUTSCH 983 Series](#)

English