



Connectors > Connector Backshells & Adapters > Ruggedized Backshells & Adapters



Connector General Specification Number: MIL-DTL-38999 Series III/Class C,F,K,W, MIL-DTL-38999 Series IV/Class C,F,W, MIL-DTL-38999 Series IV/Class C,W, MIL-DTL-38999 Series IV/Class F,W

Backshell Material: Aluminum

Adapter Plating Material: Zinc Nickel (ASTM B841)

Cable Diameter Range: 12.7 – 20.5 mm [.5 – .1 in]

Adapter Angle: Straight

Features

Product Type Features

| | |
|------------------------------|---|
| Termination Device Included | TR18BI |
| Pluggable I/O Accessory Type | Tinel-Lock Adapter |
| Adapter Angle | Straight |
| Termination Device Type | Side-Entry Tinel-Lock Ring, Tinel-Lock Adapter, Tinel-Lock Ring |
| Connector Shell Size | 15, D |

Body Features

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|--------------------------|-------------------------|
| Color | Black |
| Backshell Material | Aluminum |
| Adapter Plating Material | Zinc Nickel (ASTM B841) |
| TE Adapter Code | 40 |
| Adapter Entry Size | 18 |

Termination Features

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|-----------------------|-----------------|
| Overbraid Termination | Tinel-Lock Ring |
|-----------------------|-----------------|

Dimensions

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|----------------------|-----------------------------|
| Cable Entry Diameter | .2 – 28.6 mm[.01 – 1.13 in] |
| Cable Diameter Range | 12.7 – 20.5 mm[.5 – .1 in] |

Usage Conditions



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|-----------------------------|----------------------------|
| Salt Spray Resistance | 500 Hr |
| Operating Temperature Range | -65 – 175 °C[-85 – 347 °F] |

Industry Standards

| | |
|---------------------------------------|---|
| Connector Detail Specification Number | D38999/20, D38999/24, D38999/26, D38999/40, D38999/42, D38999/46, D38999/47 |
|---------------------------------------|---|

Other

| | |
|--|---|
| Connector General Specification Number | MIL-DTL-38999 Series III/Class C,F,K,W, MIL-DTL-38999 Series IV/Class C,F,W, MIL-DTL-38999 Series IV/Class C,W, MIL-DTL-38999 Series IV/Class F,W |
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Product Compliance

For compliance documentation, visit the product page on [TE.com](#)>

| | |
|---|--|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Not Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) Pb (.3% in BODY & NUT) |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JAN 2020 (205) Candidate List Declared Against: JAN 2020 (205) |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| 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 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

TE Model / Part # 173643-000
[RH-3960-1-TINEL-KIT-120V](#)

Also in the Series | Raychem TXR

[Ruggedized Backshells & Adapters](#)
(3264)

[Screened Backshells & Adapters](#)(41)

[Unscreened Backshells & Adapters](#)(29)

Customers Also Bought

TE Model / Part #ZPF00000000201525
[FDDB 57-16-26 SN-K-A838](#)

TE Model / Part #377383-000
[202D221-100-0](#)

TE Model / Part #115853-000
[222A142-100/180-0](#)

TE Model / Part #384441-000
[44A1131-16-2/4/6-9](#)

TE Model / Part #2295233001
[55A0131-26-0/6/9](#)

TE Model / Part #4466253001
[55M1421-26-2/6-4](#)

TE Model / Part #EF9130-000
[TXR40AZ00-0806BI](#)

TE Model / Part #EF8350-000
[TXR40AZ00-1420BI](#)



Documents

Datasheets & Catalog Pages

Circular Backshells

English

Product Environmental Compliance

REACH Substance Communication Document

English