

Circular mixed power/signal



Description

Power connectors are connectors to meet mixed power and signal requirements.

This range of power connectors is an extension of the long established and popular TRIM TRIO connector series shown in this catalogue, but with the advantage of offering a number of additional features

Features and benefits

- Connectors suitable for mixed power / signal application.
- Design in flexibility of TRIM TRIO.



Our Design flexibilities are virtually unlimited on:

- **Contact arrangements**
- **Mixed contact lay-outs**
- **Power versions**
- **Hybrid contacts arrangements**
- **Filtered connectors**
- **High speed solutions**
- **Robust designs**
- **Higher corrosion withstandings**
- ...

The next pages are listing some of the mixed power / signal TRIM TRIO connector configurations. It is intended to give you a general idea of our design capabilities.

As the creation of mixed power / signal TRIM TRIO connectors is an ongoing process, we advise you to contact our nearest SOURIAU sales office if you have specific connector needs.

Our design flexibility is virtually unlimited, so we are always willing to consider any customised design.

Separate data sheets with more detailed technical info of the listed mixed power / signal TRIM TRIO versions are available.

Circular mixed power/signal



UT0/UTG size 10-3W3 with: 3 contacts #20 (1.0mm) 3 standard TRIM TRIO contacts

Description

UT0/UTG size 10-3W3 is a standard shell size 10 connector with a modified insert arrangement to accept:
3 TRIM TRIO #20 (1.0mm) contacts
3 TRIM TRIO #16 (1.6mm) contacts



Typical performance characteristics

• For characteristics, refer to UTG/UT0 series and Contact sections

Contact accommodation

- #20 cavities accept the #20 TRIM TRIO size 16 crimp type removable snap-lock contacts (see contacts section)
- #16 cavities accept the #16 TRIM TRIO crimp type removable snap-lock contacts (see contacts section)
- Contacts to be ordered separately.

Available part numbers:

| Part number | Shell size | Description |
|---------------------|------------|---|
| UTG1103W3S | 10 | Free hanging receptacle for socket contacts |
| UTG6103W3PN | | Cable plug connector for pin contacts |
| UT01103W3SH6 | | Metal free hanging receptacle for socket contacts |

For dimensions or others characteristics, refer to section UTG/UT0 with corresponding shell size or refer to the technical drawings

UTG size 12-3 with 3 power contacts.

Description

UTG size 12-3 is a standard shell size 12 connector with a modified insert arrangement to accept
3 power contacts #12 (2.4mm).
It also offers 3 extra discrimination cavities that accept the SMSPE3 discrimination pins.



Typical performance characteristics

- Power contacts #12 (2.4mm) for up to 26 Amp
- For further characteristics, refer to UTG series and power contacts 8291 series.

Contact accommodation

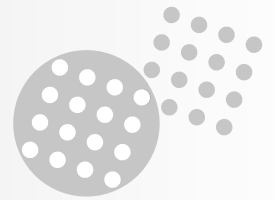
- Power cavities accept the 8291 power contacts (see power contacts 8291 section)
- Contacts to be ordered separately.

Available part numbers:

| Part number | Shell size | Description |
|-----------------------------|------------|---|
| UTG0123S | 12 | Panel mount receptacle for socket contacts. |
| UTG0123SH | | Panel mount receptacle for socket contacts – IP65 waterprotection |
| UTG0123P (consult factory) | | Panel mount receptacle for pin contacts. |
| UTG0123PH (consult factory) | | Panel mount receptacle for pin contacts – IP65 waterprotection |
| UTG6123SN (consult factory) | | Cable plug connector for socket contacts. |
| UTG6123PN | | Cable plug connector for pin contacts. |

For dimensions or others characteristics, refer to section UTG with corresponding shell size or refer to the technical drawings

Circular mixed power/signal



UTG size 14-8 with 4 power & 4 standard TRIM TRIO contacts.

Description

UTG size 14-8 is a standard shell size 14 connector with a modified insert arrangement to accept 4 power contacts #12 (2.4mm) and 4 TRIM TRIO #16 (1.6mm) signal contacts.

Typical performance characteristics

- Power contacts #12 (2.4mm) for up to 26 Amp
- Per VDE 0110 (refer to technical drawings)
- For further characteristics, refer to UTG series and power contacts 8291 series.

Available part numbers:

| Part number | Shell size | Description |
|-----------------------------------|------------|---|
| UTG0148P24PVDE | 14 | Panel mount receptacle for pin contacts. |
| UTG0148P24PHVDE | | Panel mount receptacle for pin contacts – IP65 waterprotection |
| UTG0148P24SVDE (consult factory) | | Panel mount receptacle for socket contacts. |
| UTG0148P24SHVDE (consult factory) | | Panel mount receptacle for socket contacts – IP65 waterprotection |
| UTG6148P24SNVDE | | Cable plug connector for socket contacts. |
| UTG6148P24PNVDE (consult factory) | | Cable plug connector for pin contacts. |

For dimensions or others characteristics, refer to section UTG with corresponding shell size or refer to the technical drawings



Contact accommodation

- Signal cavities accept the TRIM TRIO size 16 crimp-type removable snap-lock contacts (see contacts section)
- Power cavities accept the 8291 power contacts (see power contacts 8291 section)
- Contacts to be ordered separately.

UTG size 18-7 with 2 power & 5 standard TRIM TRIO contacts.

Description

UTG size 18-7 is a standard shell size 18 connector with a modified insert arrangement to accept 2 power contacts #12 (2.4mm) and 5 TRIM TRIO #16 (1.6mm) signal contacts.

Typical performance characteristics

- Power contacts #12 (2.4mm) for up to 26 Amp
- Per VDE 0110 Group C – 380V.
- 2 mating levels.
- For further characteristics, refer to UTG series and power contacts 8291 series.

Available part numbers:

| Part number | Shell size | Description |
|-----------------------|------------|---|
| UTG0187PVDE34 | 18 | Panel mount receptacle for pin contacts. |
| UTG0187PHVDE34 | | Panel mount receptacle for pin contacts – IP65 waterprotection |
| UTG0187SVDE34 | | Panel mount receptacle for socket contacts. |
| UTG0187SHVDE34 | | Panel mount receptacle for socket contacts – IP65 waterprotection |
| UTG6187PNVDE34 | | Cable plug connector for pin contacts. |
| UTG6187SNVDE34 | | Cable plug connector for socket contacts. |

For dimensions or others characteristics, refer to section UTG with corresponding shell size or refer to the technical drawings



Contact accommodation

- Signal cavities accept the TRIM TRIO size 16 crimp-type removable snap-lock contacts (see contacts section)
- Power cavities accept the 8291 power contacts (see power contacts 8291 section)
- Contacts to be ordered separately.

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UTG size 24-7 with 7 power & 2 standard TRIM TRIO contacts.

Description

UTG size 24-7 is a standard shell size 24 connector with a modified insert arrangement to accept 7 power contacts #8 (3.6mm) and 2 TRIM TRIO #16 (1.6mm) signal contacts.

Typical performance characteristics

- Power contacts #8 (3.6mm) for up to 44 Amp
- VDE 0110 Group C – 660V.
- UL recognized file Nr.: E238675
- Central power cavity is advanced for grounding purposes.
- For further characteristics, refer to UTG series and power contacts 8291 series.



Contact accommodation

- Signal cavities accept the TRIM TRIO size 16 crimp-type removable snap-lock contacts (see contacts section)
- Power cavities accept the 8291 power contacts (see power contacts 8291 section)
- Contacts to be ordered separately.

Available part numbers:

| Part number | Shell size | Description |
|------------------|------------|---|
| UTG0247P | 24 | Panel mount receptacle for pin contacts. |
| UTG0247PH | | Panel mount receptacle for pin contacts – IP65 waterprotection |
| UTG0247S | | Panel mount receptacle for socket contacts. |
| UTG0247SH | | Panel mount receptacle for socket contacts – IP65 waterprotection |
| UTG6247PN | | Cable plug connector for pin contacts. |
| UTG6247SN | | Cable plug connector for socket contacts. |

For dimensions or others characteristics, refer to section UTG with corresponding shell size or refer to the technical drawings

UTG size 24-11 with 4 power & 7 standard TRIM TRIO contacts.

Description

UTG size 24-11 is a standard shell size 24 connector with a modified insert arrangement to accept 4 power contacts #8 (3.6mm) and 7 TRIM TRIO #16 (1.6mm) signal contacts.

Typical performance characteristics

- Power contacts #12 (2.4mm) for up to 26 Amp
- Per VDE 0110 (refer to technical drawings)
- For further characteristics, refer to UTG series and power contacts 8291 series..



Contact accommodation

- Signal cavities accept the TRIM TRIO size 16 crimp-type removable snap-lock contacts (see contacts section)
- Power cavities accept the 8291 power contacts (see power contacts 8291 section)
- Contacts to be ordered separately.

Available part numbers:

| Part number | Shell size | Description |
|-------------------------------------|------------|---|
| UTG02411P | 24 | Panel mount receptacle for pin contacts. |
| UTG02411PH | | Panel mount receptacle for pin contacts – IP65 waterprotection |
| UTG02411S (consult factory) | | Panel mount receptacle for socket contacts. |
| UTG02411SH (consult factory) | | Panel mount receptacle for socket contacts – IP65 waterprotection |
| UTG62411SN | | Cable plug connector for socket contacts. |
| UTG62411PN (consult factory) | | Cable plug connector for pin contacts. |

For dimensions or others characteristics, refer to section UTG with corresponding shell size or refer to the technical drawings

Circular Boardmount versions



UTP7 size 12-8 for boardmount applications

Description

UTP7 size 12-8 is a standard jam nut receptacle size 12 connector with pre-assembled TRIM TRIO #16 (1.6mm) dipsolder contacts

Performance characteristics

Refer to technical drawings

Available part numbers (consult factory):

Different part number are available with:

- Male or female contacts
- Machined or stamped and formed contacts
- Different solder tail lengths

