



## Plastic connector with metal coupling system

### Description

“UTG” Metalok Bantam plastic industrial circular connectors with metal coupling are a range of multiway connectors to provide the complete answer to the need for lightweight, robust circular connectors. They are available in 8 shell sizes, 11 insert arrangements **all interchangeable, interchangeable and intermountable** with the Trim-Trio “UT0” and “UTP industrial connector families.

### Features and benefits

- Available in 8 shell sizes and 11 insert arrangements incl. 3 VDE versions.
- Available in plug and receptacle versions for both male and female contacts.
- Connectors and accessories are moulded from highly durable glass-filled thermoplastic.
- Flammability rating: UL94-V0.
- UL approved-file Nr.: E31151
- Metal bayonet ring:
  - Metal wave spring loaded.
  - Locks with audible positive “click”
  - Assures 500 matings and unmatings



### Performance characteristics

|                                                                                                        |                            |
|--------------------------------------------------------------------------------------------------------|----------------------------|
| Operating temperature:                                                                                 | -55°C to +125°C            |
| Insulation resistance:                                                                                 | 5000 MΩ min.               |
| Test potential:                                                                                        | 2000 VAC                   |
| Durability:                                                                                            | 500 matings and unmatings. |
| Vibration resistance:                                                                                  | Per MIL-STD202 method 204  |
| Thermal shock:                                                                                         | Per MIL-STD202 method 207  |
| Degree of protection per DIN 40050: IP67 in mated condition. “H” version used with UTG —ST cable clamp |                            |

### Construction

|                  |                                  |
|------------------|----------------------------------|
| Connector body   | Glass filled thermoplast UL94-V0 |
| Colour:          | black                            |
| Coupling ring:   | Nickel plated brass              |
| Tri-lock pins:   | Stainless steel                  |
| Coupling spring: | Spring steel                     |

### Contact accommodation

- “UTG” connectors accept Trim-Trio removable snap-lock contacts (see contact section)
- Contacts to be ordered separately.

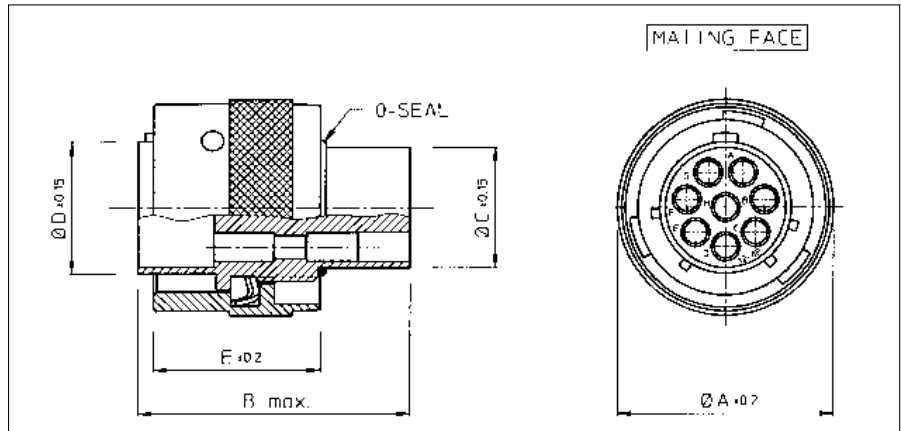
## How to order

|                     |                                                                                         |   |    |    |   |   |   |    |
|---------------------|-----------------------------------------------------------------------------------------|---|----|----|---|---|---|----|
| Connector family :  | UTG                                                                                     | 0 | 14 | 12 | P |   | H | -- |
|                     | UTG                                                                                     | 6 | 14 | 12 | S | N |   | -- |
| Body variation:     | 0 : Wall mounting receptacle<br>6 : Cable plug<br>1 : Free hanging receptacle           |   |    |    |   |   |   |    |
| Shell size:         |                                                                                         |   |    |    |   |   |   |    |
| Insert arrangement: |                                                                                         |   |    |    |   |   |   |    |
| Type of contacts:   | P : Pin contacts<br>S : Socket contacts                                                 |   |    |    |   |   |   |    |
| Plating             | N : Nickelplated bayonet ring                                                           |   |    |    |   |   |   |    |
| Application         | No letter : Standard version<br>H : Water protected version (only receptacle)           |   |    |    |   |   |   |    |
| Design variation    | No letter : Moulded-in contact marking (standard version)<br>Others : Specials versions |   |    |    |   |   |   |    |

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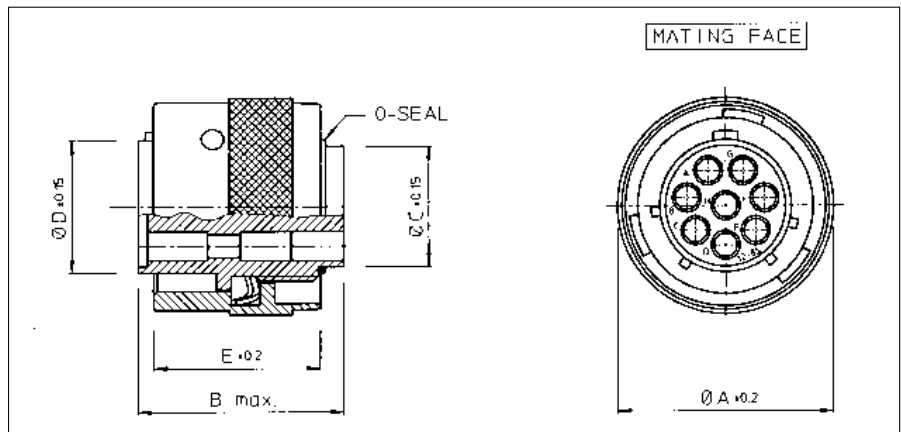


## Cable plug for pin contacts (UTG6- - -PN)



| Part number                | Shell size | Ø A ±0.2 | B max.      | Ø C ±0.15 | Ø D ±0.15 | E ±0.2 |
|----------------------------|------------|----------|-------------|-----------|-----------|--------|
| UTG6104PN / UTG6103PNVDE   | 10         | 21.6     | 31.8        | 10.9      | 12.2      | 19.1   |
| UTG6128PN                  | 12         | 24.8     |             | 13.8      | 15.1      |        |
| UTG61412PN                 | 14         | 28.0     |             | 17.0      | 18.3      |        |
| UTG61619PN                 | 16         | 31.2     |             | 19.9      | 21.5      |        |
| UTG61823PN / UTG6187PNVDEU | 18         | 34.3     | 31.8 / 33.0 | 22.4      | 24.0      |        |
| UTG62028PN / UTG62020PN    | 20         | 37.5     | 31.8 / 35.3 | 25.6      | 27.2      |        |
| UTG62235PN                 | 22         | 40.7     | 31.8        | 26.5      | 30.4      |        |
| UTG62448PN                 | 24         | 43.9     |             | 31.7      | 33.5      |        |

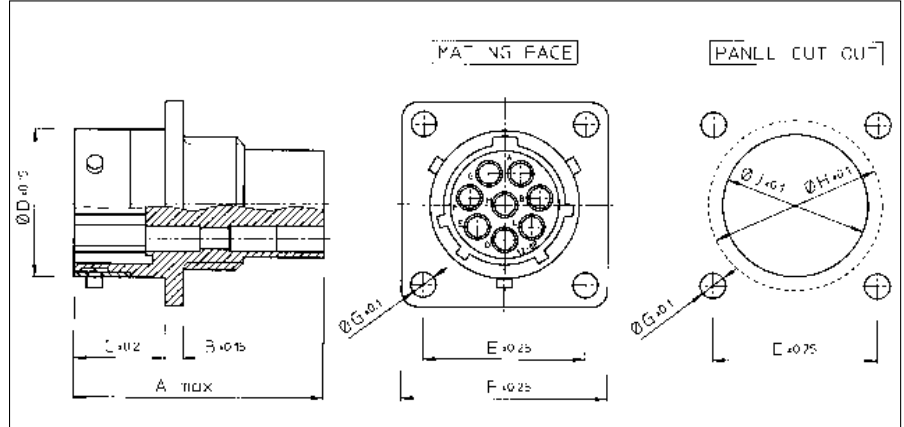
## Cable plug for socket contacts (UTG6- - -SN)



| Part number                | Shell size | Ø A ±0.2 | B max.       | Ø C ±0.15 | Ø D ±0.15 | E ±0.2 |
|----------------------------|------------|----------|--------------|-----------|-----------|--------|
| UTG6104SN / UTG6103SNVDE   | 10         | 21.6     | 23.9 / 26.75 | 10.9      | 12.2      | 19.1   |
| UTG6128SN                  | 12         | 24.8     | 23.9         | 13.8      | 15.1      |        |
| UTG61412SN                 | 14         | 28.0     |              | 17.0      | 18.3      |        |
| UTG61619SN                 | 16         | 31.2     |              | 19.9      | 21.5      |        |
| UTG61823SN / UTG6187SNVDEU | 18         | 34.3     | 23.9 / 29.0  | 22.4      | 24.0      |        |
| UTG62028SN / UTG62020SN    | 20         | 37.5     | 24.9         | 25.6      | 27.2      |        |
| UTG62235SN                 | 22         | 40.7     |              | 28.5      | 30.4      |        |
| UTG62448SN                 | 24         | 43.9     | 26.2         | 31.7      | 33.5      |        |



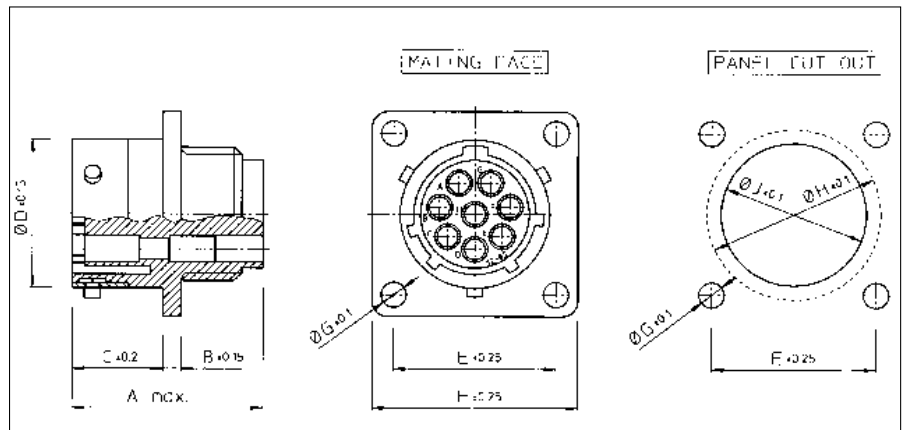
## Wall mounting receptacle for pin contacts (UTG0- - - -P)



| Part number              | Shell size | A max.    | B<br>±0.15 | C<br>±0.2 | Ø D<br>±0.15 | E<br>±0.25 | F<br>±0.25 | Ø G<br>±0.1 | Ø H<br>±0.1 | Ø J<br>±0.1 |
|--------------------------|------------|-----------|------------|-----------|--------------|------------|------------|-------------|-------------|-------------|
| UTG0104P / UTG0103PVDE   | 10         | 31.7      | 2.3        | 11.3      | 15.0         | 18.3       | 23.8       | 3.2         | 17.3        | 15.1        |
| UTG0128P                 | 12         |           |            |           | 19.0         | 20.6       | 26.2       |             | 21.8        | 18.2        |
| UTG01412P                | 14         |           |            |           | 22.2         | 23.0       | 28.6       |             | 25.0        | 21.4        |
| UTG01619P                | 16         |           |            |           | 25.3         | 24.6       | 31.0       |             | 28.1        | 24.6        |
| UTG01823P / UTG0187PVDEU | 18         | 31.7/34.0 | 2.5        | 11.3/17.9 | 28.5         | 27.0       | 33.3       | 3.9         | 31.3        | 27.8        |
| UTG02028P / UTG02020P    | 20         | 33.3/34.3 |            | 14.5      | 31.7         | 29.4       | 36.5       |             | 34.5        | 30.9        |
| UTG02235P                | 22         | 33.3      | 3.5        | 15.3      | 34.9         | 31.8       | 39.7       |             | 37.7        | 34.1        |
| UTG02448P                | 24         |           |            |           | 38.0         | 34.9       | 42.9       |             | 40.9        | 37.3        |

For waterprotected version add "H" behind "P" e.g. UTG01412PH

## Wall mounting receptacle for socket contacts (UTG0- - - -S)



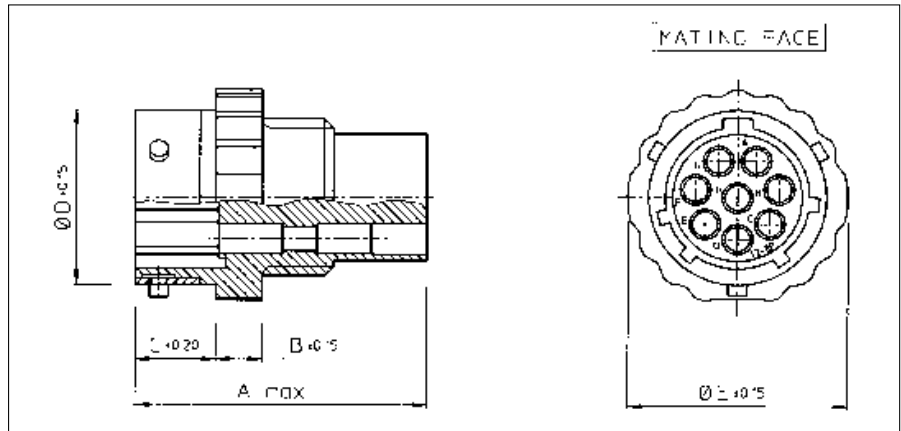
| Part number              | Shell size | A max.    | B<br>±0.15 | C<br>±0.2 | Ø D<br>±0.15 | E<br>±0.25 | F<br>±0.25 | Ø G<br>±0.1 | Ø H<br>±0.1 | Ø J<br>±0.1 |
|--------------------------|------------|-----------|------------|-----------|--------------|------------|------------|-------------|-------------|-------------|
| UTG0104S / UTG0103SVDE   | 10         | 24.3/27.6 | 2.3        | 11.3      | 15.0         | 18.3       | 23.8       | 3.2         | 17.3        | 15.1        |
| UTG0128S                 | 12         | 24.3      |            |           | 19.0         | 20.6       | 26.2       |             | 21.8        | 18.2        |
| UTG01412S                | 14         |           |            |           | 22.2         | 23.0       | 28.6       |             | 25.0        | 21.4        |
| UTG01619S                | 16         |           |            |           | 25.3         | 24.6       | 31.0       |             | 28.1        | 24.6        |
| UTG01823S / UTG0187SVDEU | 18         | 24.3/30.4 | 2.5        | 11.3/17.9 | 28.5         | 27.0       | 33.3       | 3.9         | 31.3        | 27.8        |
| UTG02028S / UTG02020S    | 20         | 27.0      |            | 14.5      | 31.7         | 29.4       | 36.5       |             | 34.5        | 30.9        |
| UTG02235S                | 22         | 28.0      | 3.5        |           | 15.3         | 34.9       | 31.8       |             | 39.7        | 37.7        |
| UTG02448S                | 24         | 30.4      |            | 38.0      |              | 34.9       | 42.9       |             | 40.9        | 37.3        |

For waterprotected version add "H" behind "S" e.g. UTG01412SH

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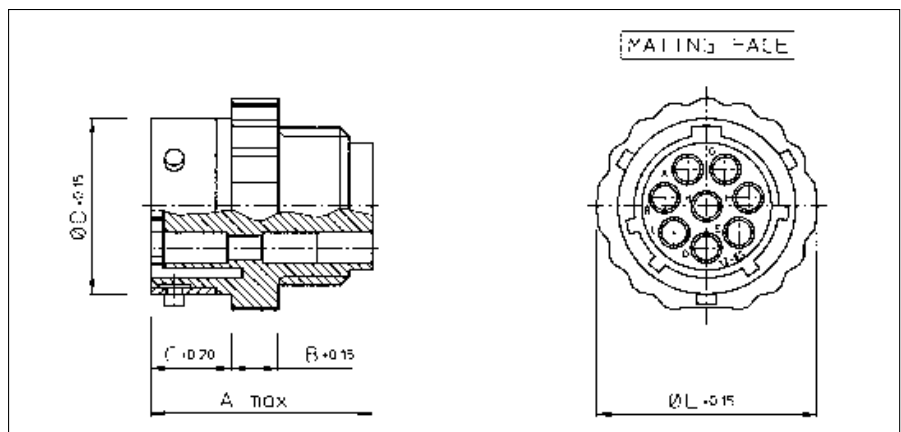
## Free hanging receptacle for pin contacts (UTG1- - - -P)



| Part number              | Shell size | A max.    | B ±0.15 | C ±0.2     | Ø D ±0.15 | Ø E ±0.15 |
|--------------------------|------------|-----------|---------|------------|-----------|-----------|
| UTG1104P / UTG1103PVDE   | 10         | 31.7      | 5.0     | 8.65       | 15.0      | 19.5      |
| UTG1128P                 | 12         |           |         |            | 19.0      | 23.5      |
| UTG11412P                | 14         |           |         |            | 22.2      | 27.0      |
| UTG11619P                | 16         |           |         |            | 25.3      | 30.0      |
| UTG11823P / UTG1187PVDEU | 18         | 31.7/34.0 | 5.0     | 8.65/15.35 | 28.5      | 33.0      |
| UTG12028P / UTG12020P    | 20         | 33.3/34.3 |         | 12.05      | 31.7      | 36.5      |
| UTG12235P                | 22         | 33.3      |         | 13.85      | 34.9      | 39.5      |
| UTG12448P                | 24         |           |         |            | 38.0      | 42.5      |

For waterprotected version add "H" behind "P" e.g. UTG11412PH

## Free hanging receptacle for socket contacts (UTG1- - - -S)



| Part number              | Shell size | A max.    | B ±0.15 | C ±0.2     | Ø D ±0.15 | Ø E ±0.15 |
|--------------------------|------------|-----------|---------|------------|-----------|-----------|
| UTG1104S / UTG1103SVDE   | 10         | 24.3/27.6 | 5.0     | 8.65       | 15.0      | 19.5      |
| UTG1128S                 | 12         | 24.3      |         |            | 19.0      | 23.5      |
| UTG11412S                | 14         |           |         |            | 22.2      | 27.0      |
| UTG11619S                | 16         |           |         |            | 25.3      | 30.0      |
| UTG11823S / UTG1187SVDEU | 18         | 24.3/30.4 |         | 8.65/15.35 | 28.5      | 33.0      |
| UTG12028S / UTG12020S    | 20         | 25.9      |         | 12.05      | 31.7      | 36.5      |
| UTG12235S                | 22         |           |         | 34.9       | 39.5      |           |
| UTG12448S                | 24         |           |         | 13.85      | 38.0      | 42.5      |

For waterprotected version add "H" behind "S" e.g. UTG11412SH



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
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- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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