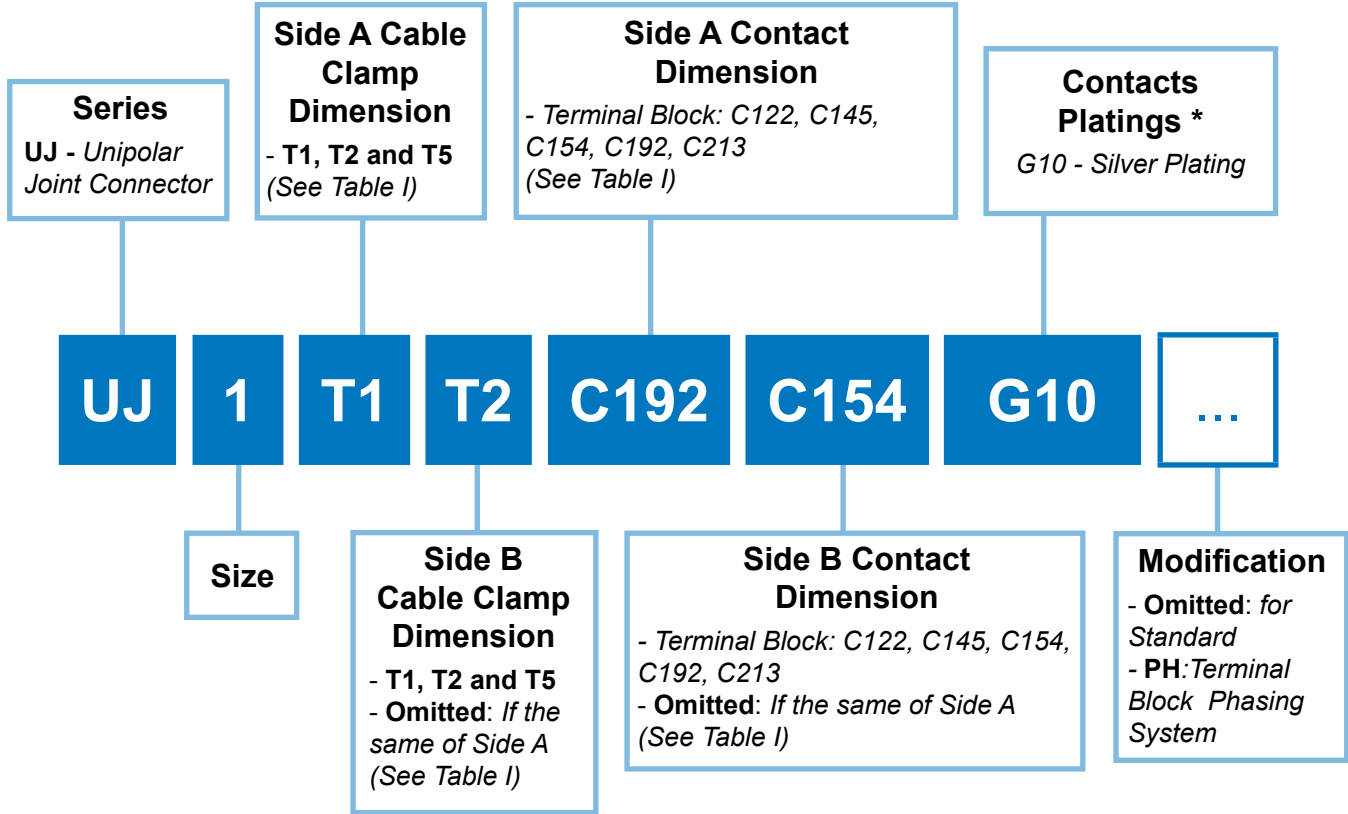




UJ Series Connector

How to Order • Part Number Breakdown

UJ 1 - How to Order



* for **Contact Platings**: please consult the Sales Department for further application requirements.

TABLE I - Crimp Bucket Contacts

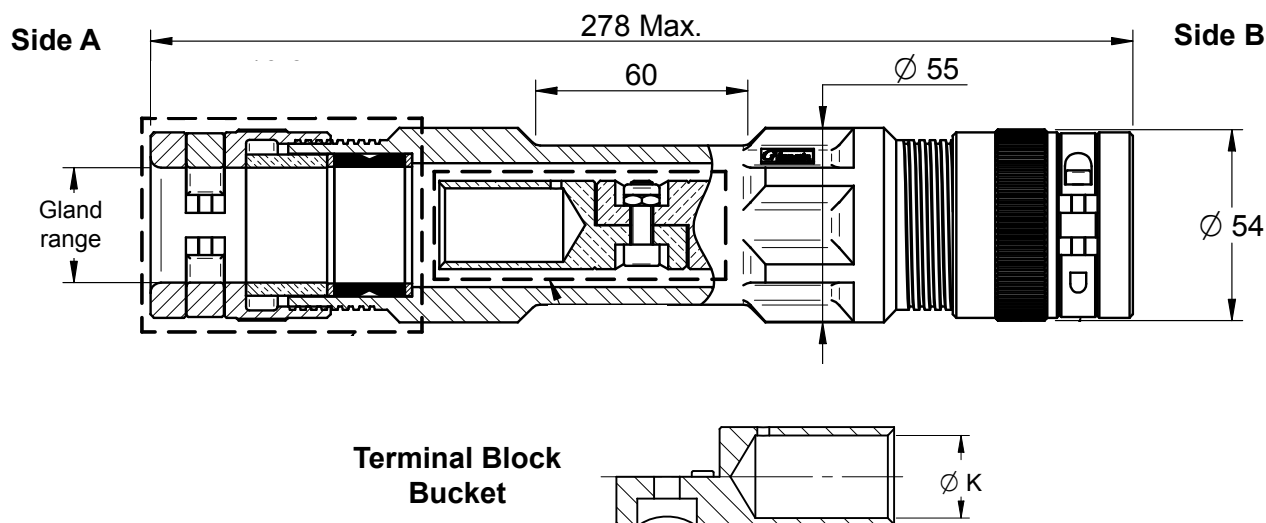
Cables referred to EN 50264

| UJ1 Contact P/N | Terminal Block Bucket (K) (mm) | Cable Section (mm ²) | Min. Conductor (mm) | Max Conductor (mm) | Min Cable (mm) | Max Cable (mm) | Gland Range 1 (mm) | Gland Range 2 (mm) | Working Current (A) * |
|-----------------|--------------------------------|----------------------------------|---------------------|--------------------|----------------|----------------|--------------------|--------------------|-----------------------|
| C122 | 12.2 | 70 | 11 | 12 | 12 | 25 | T2=18-25 | T5=12-18 | 300 |
| C145 | 14.5 | 95 | 12.4 | 14.3 | 12 | 25 | T2=18-25 | T5=12-18 | 400 |
| C154 | 15.4 | 120 | 14.2 | 15 | 12 | 25 | T2=18-25 | T5=12-18 | 450 |
| C192 | 19.2 | 185 | 17.3 | 18.2 | 18 | 25 | T2=18-25 | T2=18-25 | 500 |
| C213 | 21.3 | 240 | 19.1 | 20.5 | 24 | 29 | T2=18-25 | T1=25-29 | 750 |

* Related to cables ampacity.
For different cable dimensions, please contact the factory.

UJ 1 CONNECTOR CHARACTERISTICS

Single Connector weight: 900.0 gr



APPLICATION NOTES:

- 1 - In line junction with polymeric based body and metal strain relief parts RoHS compliant
- 2 - Crimp contacts face-face coupling with screw locking
- 3 - Arrangement: Single pole
- 4 - Contacts: hermaphrodite crimp contacts face-face coupling with screw locking
- 5 - Working voltage: 3'500 Vac RMS/Vdc
- 6 - Test voltage: 12'000 Vac RMS
- 7 - Working temperature: (-40 to +150)°C
- 8 - Water proof: IP 67 level (coupled connectors)
- 9 - Max. contact resistance: ≤ 0.5 mΩ
- 10 - Contacts: copper alloy with silver plating (G10) - Phasing System available
- 11 - Gaskets: silicone rubber
- 12 - Cable clamp: aluminum alloy (cable clamp) with electrodeposited black paint
- 13 - Plastic parts: black thermoplastic resin (body)
- (UL 94: V0; NFF 16-102: I2F2 exigence 3; BS; ASTM; UNI-CEI11170)
- 14 - Screws: stainless steel.

PROCEDURES TABLE

| Description | Procedure |
|----------------------------|--------------------------------------|
| Electrical Characteristics | CEI EN 50124 and CEI EN 60077 |
| Environmental Conditions | CEI EN 50125 |
| IP Level | CEI EN 60529 |
| Shock and Vibration | CEI EN 61373 |
| Corrosion | VG 95210 - 2 |
| Fire Protection | UNI CEI 1170 - 3 |

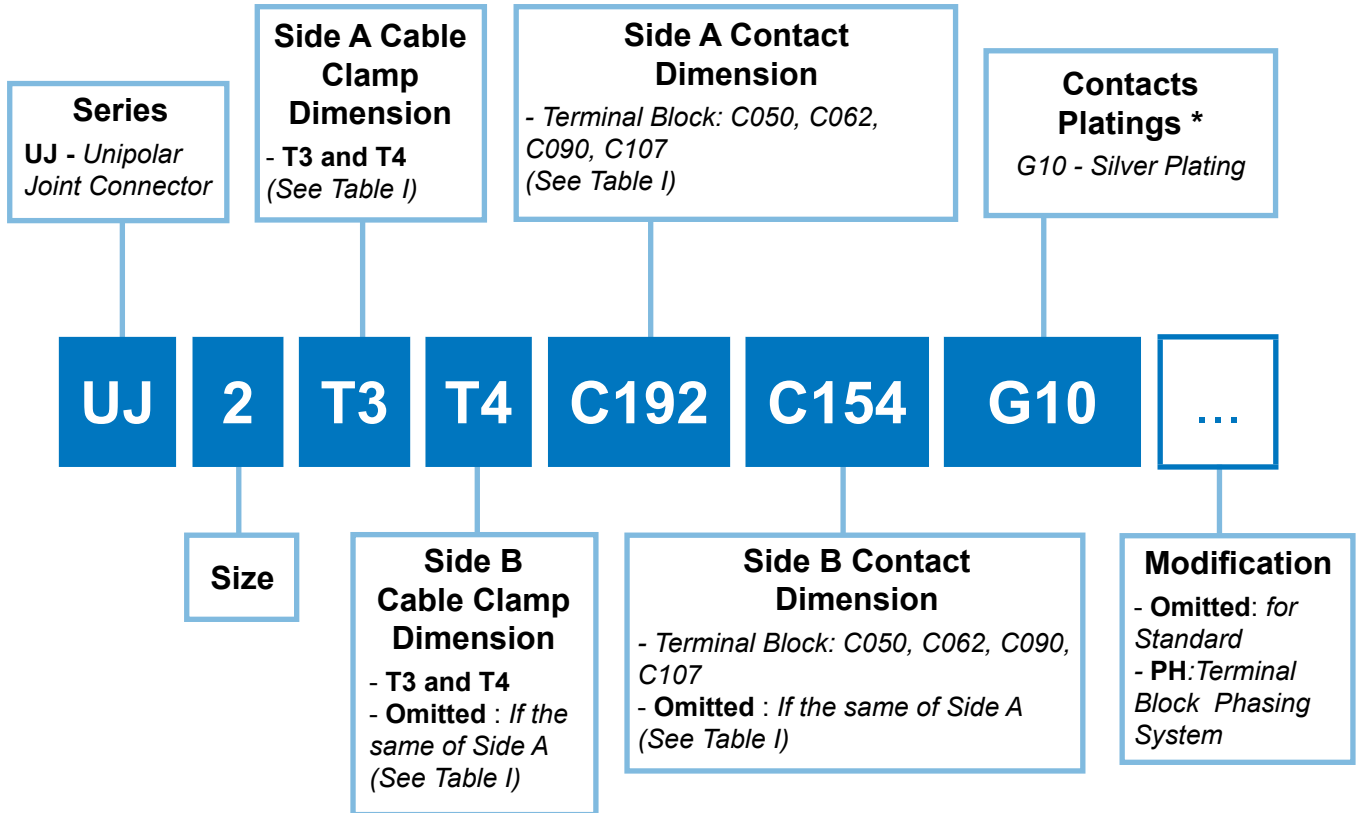




UJ Series Connector

How to Order • Part Number Breakdown

UJ 2 - How to Order



* for **Contact Platings**: please consult the Sales Department for further application requirements.

TABLE I - Crimp Bucket Contacts

D

Cables referred to EN 50264

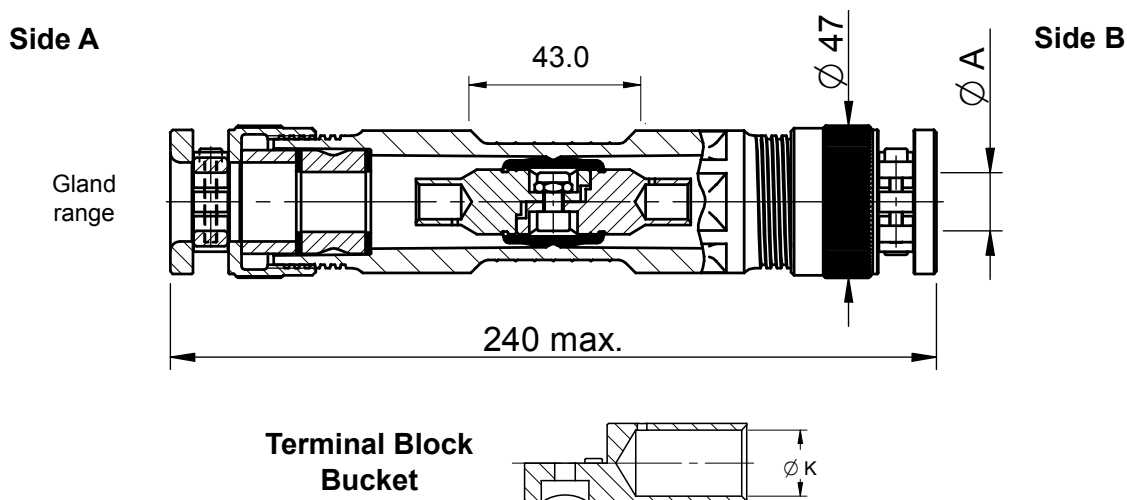
| UJ2 Contact P/N | Terminal Block Bucket (K) (mm) | Cable Section (mm ²) | Min. Conductor (mm) | Max Conductor (mm) | Min Cable (mm) | Max Cable (mm) | Gland Range 1 (mm) | Gland Range 2 (mm) | Working Current (A) * |
|-----------------|--------------------------------|----------------------------------|---------------------|--------------------|----------------|----------------|--------------------|--------------------|-----------------------|
| C050 | 5 | 10 | 3.9 | 4.3 | 5 | 18 | T3=5-12 | T4=9-18 | 100 |
| C062 | 6.2 | 16 | 5 | 6 | 5 | 18 | T3=5-12 | T4=9-18 | 120 |
| C090 | 9 | 35 | 7.7 | 8.8 | 5 | 18 | T3=5-12 | T4=9-18 | 150 |
| C107 | 10.7 | 50 | 9.2 | 10.4 | 5 | 18 | T3=5-12 | T4=9-18 | 200 |

* Related to cables ampacity.

For different cable dimensions, please contact the factory.

UJ 2 CONNECTOR CHARACTERISTICS

Single Connector weight: 540.0 gr



APPLICATION NOTES:

- 1 - In line junction with polymeric based body and metal strain relief parts RoHS compliant
- 2 - Crimp contacts face-face coupling and screw locking
- 3 - Arrangement: Single pole
- 4 - Contacts: hermaphrodite crimp contacts, phasable, face-face coupling with screw locking
- 5 - Working voltage: 3'500 Vac RMS/Vdc
- 6 - Test voltage: 12000 Vac RMS
- 7 - Working temperature: (-40 to +150)°C
- 8 - Water proof: IP 67 level (coupled connectors)
- 9 - Max. contact resistance: ≤ 0.5 mΩ
- 10 - Contacts: copper alloy with silver plating (G10) - Phasing System available
- 11 - Gaskets: silicone rubber
- 12 - Cable clamp: aluminum alloy with electrodeposited black paint
- 13 - Insulator: black thermoplastic resin (body)
- (UL 94: V0; NFF 16-102: I2F2 exigence 3; BS; ASTM; UNI-CEI11170)
- 14 - Screws: stainless steel.

PROCEDURES TABLE

| Description | Procedure |
|----------------------------|-------------------------------|
| Electrical Characteristics | CEI EN 50124 and CEI EN 60077 |
| Environmental Conditions | CEI EN 50125 |
| IP Level | CEI EN 60529 |
| Shock and Vibration | CEI EN 61373 |
| Corrosion | VG 95210 - 2 |
| Fire Protection | UNI CEI 1170 - 3 |

