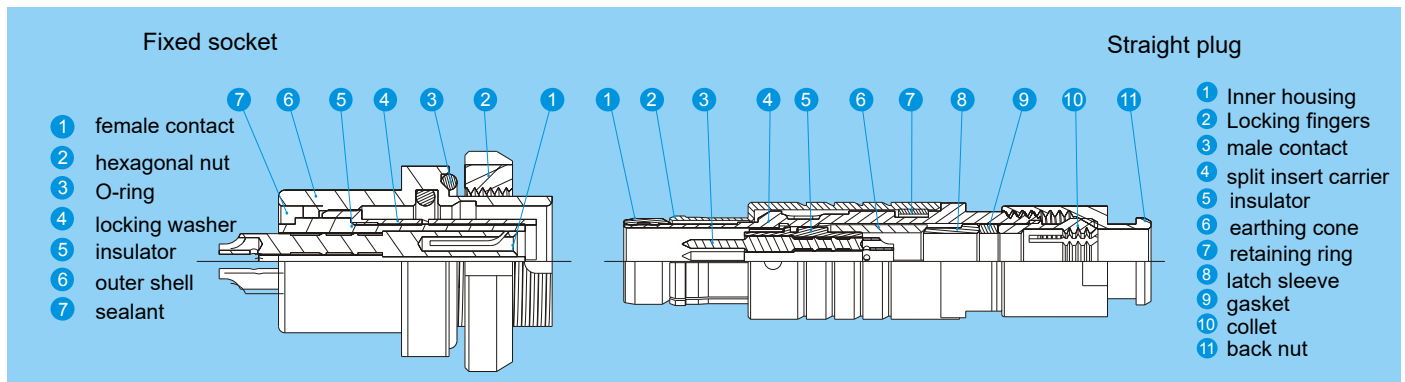


## Part Section Showing Internal Components



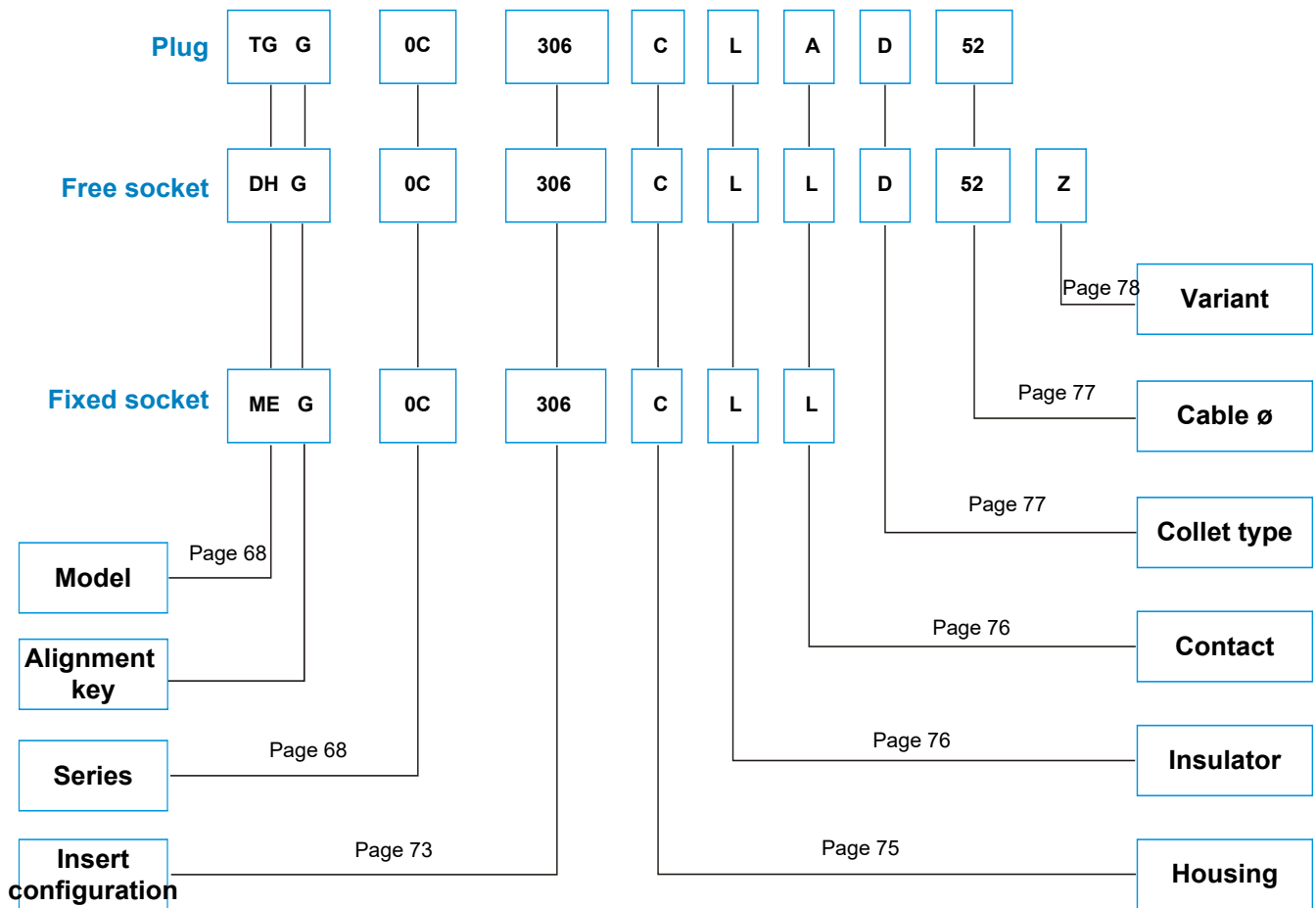
## C series connectors have main features as follows:

- security of the Push-Pull self-latching system
- multipole types 1 to 19 contacts
- Easy mating, can be blind-mated (guiding mechanism ensures precise alignment)
- high packing density for space savings
- solder, print (straight or elbow) contacts
- keying system («G» key standard for connector alignment)
- multiple key options to avoid cross mating of similar connectors
- 360° screening for full EMC shielding

## C Series Connectors Technical Characteristics:

- Endurance: > 5000 cycles
- Humidity: up to 95% at 60° C
- Temperature range: - 45° C, + 125° C
- Resistance to vibrations: 10-2000 Hz, 15g
- Shock resistance: 100 g, 6 ms
- Salt spray corrosion test: > 48h
- Protection index (mated): IP 68/IP 66

## C Series Part Numbering System:



### part number example

#### straight plug with cable collet:

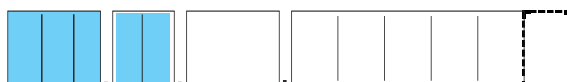
**TGG.0C.306.CLAD52** = straight plug with key (G) and cable collet, 0C series, multipole type with 6 contacts, outer shell in chrome-plated brass, PPS insulator, male solder contacts, D type collet for 5.2 mm diameter cable.

#### Free socket:

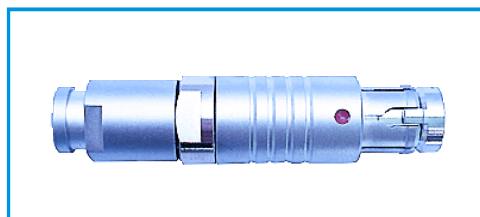
**DHG.0C.306.CLLD52Z** = free socket with key (G) and cable collet, 0C series, multipole type with 6 contacts, outer shell in chrome-plated brass, PPS insulator, female solder contacts, D type collet for 5.2 mm diameter cable and nut for fitting a bend relief.

#### fixed socket:

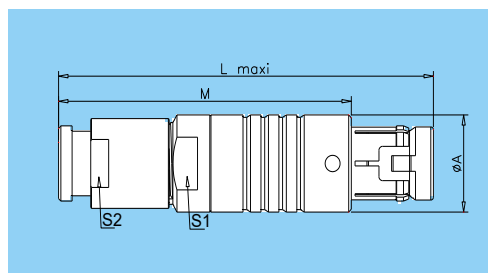
**MEG.0C.306.CLL** = fixed socket, nut fixing, with key (G), 0C series, multipole type with 6 contacts, outer shell in chrome-plated brass, PPS insulator, female solder contacts.



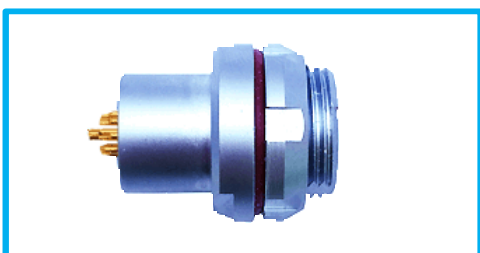
### Metal Housing Models



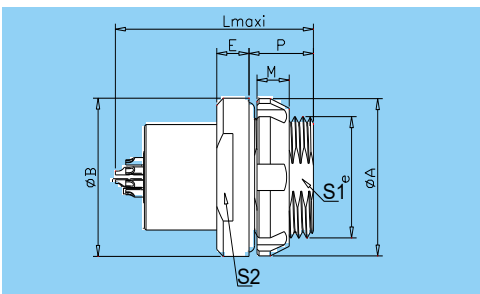
**TGG** Straight plug, key (G) or keys (A , B... ),cable collet and nut for fitting a bend relief



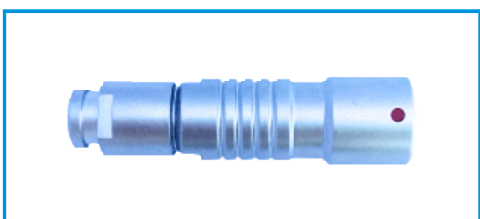
| Reference |       | Dimensions (mm) |    |    |    |    |
|-----------|-------|-----------------|----|----|----|----|
| Series    | Model | A               | L  | M  | S  | S1 |
| 0C        | TGG   | 9.4             | 37 | 28 | 8  | 7  |
| 1C        | TGG   | 12              | 47 | 35 | 10 | 10 |
| 2C        | TGG   | 15              | 50 | 38 | 13 | 12 |
| 3C        | TGG   | 18              | 61 | 40 | 16 | 15 |



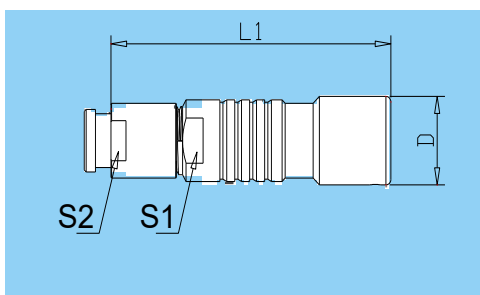
**MEG** Fixed socket, nut fixing, key (G) or keys (A, B...), watertight or vacuumtight



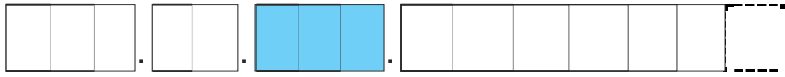
| Reference |       | Dimensions (mm) |      |         |    |   |     |     |      |    |
|-----------|-------|-----------------|------|---------|----|---|-----|-----|------|----|
| Series    | Model | A               | B    | e       | L  | E | M   | P   | S1   | S2 |
| 0C        | MEG   | 14              | 14.5 | M9x0.5  | 21 | 3 | 3   | 6.5 | 8.2  | 12 |
| 1C        | MEG   | 16              | 18   | M14*1.0 | 26 | 4 | 4   | 8   | 12   | 15 |
| 2C        | MEG   | 22              | 21   | M16*1.0 | 29 | 4 | 4   | 7   | 14.8 | 18 |
| 3C        | MEG   | 25              | 26   | M20*1.0 | 33 | 4 | 3.5 | 8   | 18   | 22 |



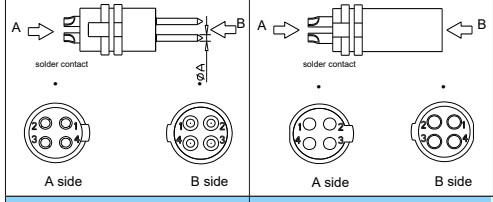
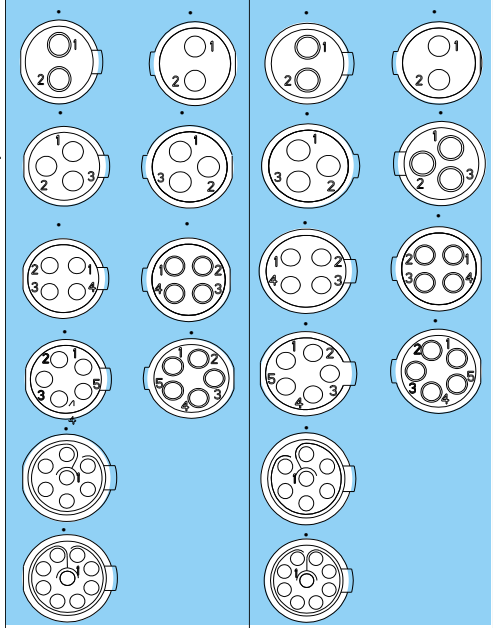
**DHG** Free socket, key (G) or keys (A, B...), watertight or vacuumtight



| Reference |       | Dimensions (mm) |      |      |      |
|-----------|-------|-----------------|------|------|------|
| Series    | Model | A               | L    | S1   | S2   |
| 0C        | DHG   | 9.5             | 35.5 | 8.0  | 7.0  |
| 1C        | DHG   | 12.5            | 40.5 | 10.0 | 9.0  |
| 2C        | DHG   | 16.5            | 47.0 | 13.0 | 12.0 |
| 3C        | DHG   | 19.0            | 56.0 | 15.0 | 15.0 |

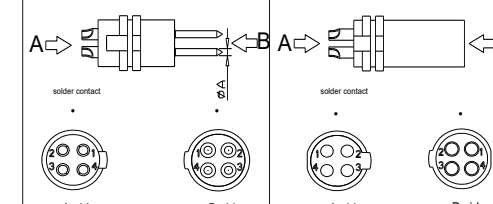
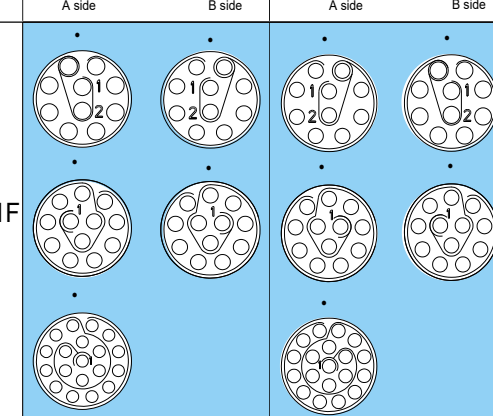


Level voltage rating | M=AC500V; Э = AC750V; Ю= AC875V; Я =AC1000V

|      |   | Reference | Number of LV contacts | Contact øA (mm) | Contact type |                  |               | level            |                         | Rated current (A)  | Resistance (mΩ) |
|------|------------------------------------------------------------------------------------|-----------|-----------------------|-----------------|--------------|------------------|---------------|------------------|-------------------------|--------------------|-----------------|
|      |                                                                                    |           |                       |                 | Solder       | Print (straight) | Print (elbow) | Rated Voltage(V) | Withstanding voltage(V) |                    |                 |
| 102F |  | 302       | 2                     | 0.9             | •            | •                | •             | Ю                | Ю                       | 10.0 <sup>1)</sup> | ≤5.0            |
|      |                                                                                    | 303       | 3                     | 0.9             | •            | •                | •             | Э                | Э                       | 8.0 <sup>1)</sup>  | ≤5.0            |
|      |                                                                                    | 304       | 4                     | 0.7             | •            | •                | •             | Э                | Э                       | 7.0 <sup>1)</sup>  | ≤12.5           |
|      |                                                                                    | 305       | 5                     | 0.7             | •            | •                | •             | Э                | Э                       | 6.5 <sup>1)</sup>  | ≤12.5           |
|      |                                                                                    | 307       | 7                     | 0.5             | •            | •                | •             | M                | M                       | 2.5                | ≤15.0           |
|      |                                                                                    | 309       | 9                     | 0.5             | •            | •                | •             | M                | M                       | 2.0                | ≤15.0           |

• **First choice alternative**

**Note:** 1):rated current = 6A for socket with elbow (90°) contacts for printed circuit.

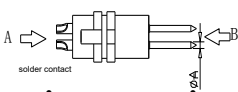
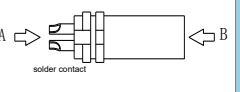
|       |  | Reference | Number of LV contacts | Contact øA (mm) | Contact type |                  |               | level            |                         | Rated current (A) | Resistance (mΩ) |
|-------|-------------------------------------------------------------------------------------|-----------|-----------------------|-----------------|--------------|------------------|---------------|------------------|-------------------------|-------------------|-----------------|
|       |                                                                                     |           |                       |                 | Solder       | Print (straight) | Print (elbow) | Rated Voltage(V) | Withstanding voltage(V) |                   |                 |
| 1031F |  | 310       | 10                    | 0.7             | •            | •                | •             | Ю                | Ю                       | 6.0               | ≤12.5           |
|       |                                                                                     | 312       | 12                    | 0.7             | •            | •                | •             | Ю                | Ю                       | 6.0               | ≤12.5           |
|       |                                                                                     | 319       | 19                    | 0.5             | •            | •                | •             | M                | M                       | 2.5               | ≤15.0           |

• **First choice alternative**

**Note:** 1):rated current = 6A for socket with elbow (90°) contacts for printed circuit.



Level voltage rating: M=AC500V; I = AC750V; II = AC875V; III=AC1000V

|      | <br> |                                                                                     | Reference | Number of LV contacts | Contact øA (mm) | Contact type |                  |               | level            |                         | Rated current (A)  | Resistance (mΩ) |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|-----------------------|-----------------|--------------|------------------|---------------|------------------|-------------------------|--------------------|-----------------|
|      | A side                                                                                                                                                                 | B side                                                                              |           |                       |                 | Solder       | Print (straight) | Print (elbow) | Rated Voltage(V) | Withstanding voltage(V) |                    |                 |
| 103F |                                                                                       |    | 302       | 2                     | 1.3             | ●            | ●                | ●             | III              | III                     | 12.0               | ≤5.0            |
|      |                                                                                       |    | 303       | 3                     | 1.3             | ●            | ●                | ●             | III              | III                     | 12.0               | ≤5.0            |
|      |                                                                                       |    | 304       | 4                     | 0.9             | ●            | ●                | ●             | II               | II                      | 10.0 <sup>1)</sup> | ≤5.0            |
|      |                                                                                     |  | 305       | 5                     | 0.9             | ●            | ●                | ●             | II               | II                      | 9.0 <sup>1)</sup>  | ≤5.0            |
|      |                                                                                     |  | 306       | 6                     | 0.7             | ●            | ●                | ●             | II               | II                      | 7.0 <sup>1)</sup>  | ≤12.5           |
|      |                                                                                     |  | 307       | 7                     | 0.7             | ●            | ●                | ●             | II               | II                      | 7.0 <sup>1)</sup>  | ≤12.5           |
|      |                                                                                     |  | 308       | 8                     | 0.7             | ●            | ●                | ●             | M                | M                       | 5.0                | ≤12.5           |
|      |                                                                                     |  | 310       | 10                    | 0.5             | ●            | ●                | ●             | 400V             | 400V                    | 2.5                | ≤15.0           |
|      |                                                                                     |  | 312       | 12                    | 0.5             | ●            | ●                | ●             | 400V             | 400V                    | 2.0                | ≤15.0           |

● **First choice alternative**

**Note:** 1):rated current = 6A for socket with elbow (90°) contacts for printed circuit.