DEUTSCH

BRANCHE CONNECTEURS AEROMILITAIRES

# *983 series* *EN 2997, ESC10, BACC63 Specifications*

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983


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Overal dimensions and characteristics are given for indication guideance only.
DEUTSCH reserves the right to modify them for production improvement reasons (Proprietary products only).

*Les côtes d'encombrements ainsi que les caractéristiques ne sont données qu'à titre indicatif. DEUTSCH se réserve le droit de les modifier dans le souci d'améliorer ses fabrications (produits propriétaires seulement).*

Electrical connectors designed for :
- Engines and boosters
- Harsh environment area

Electrical connector threaded coupling with self locking (all connectors).

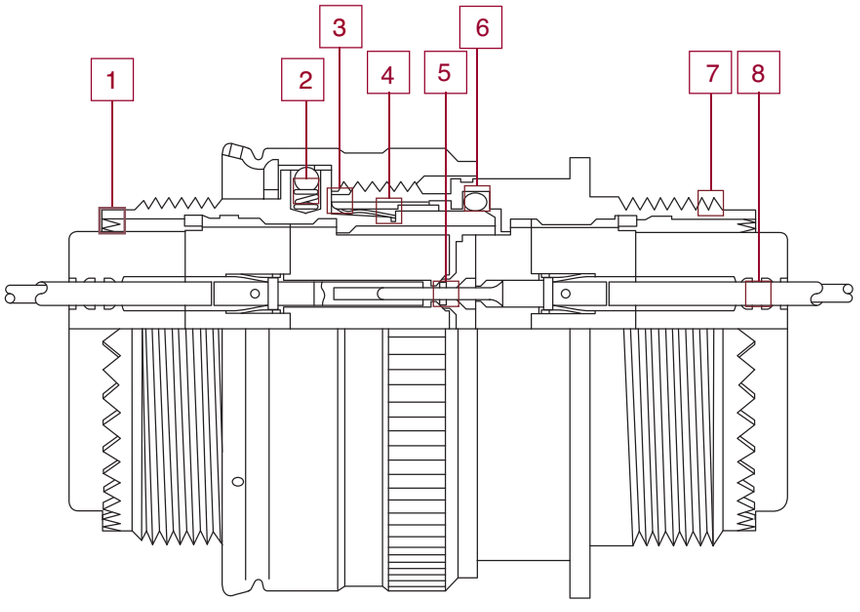
Those connector series are in accordance with the standards EN 2997, MIL-DTL-83723 Series III, NF-L 54143 and SAE/AS 39029, EN 3155 and ESC30 for electrical contacts. As per specifications SBAC ESC10 and Boeing BACC63.

The following improvements have been brought to the standard MIL-DTL-83723 :
- Shell to shell metal bottoming (Plug and receptacle mated).
- Anti rotation system on 360° by tightening.
- Self locking system all plug.
- Reduced elastomer barriers to use new and old generations of wires.

All Deutsch 983 electrical connectors series are intermatable and interchangeable with connectors in accordance with MIL-DTL-83723 series III, NF-L 54143 and the Deutsch connectors 83730 series.

A large accessories range completes the 983 connector series :
- Backnut.
- Straight cable clamp.
- Elbowed cable clamp
- Potting cup.

For any informations please consult us.




**1** Connector's rear part fitted with a teeth anti-rotation system (360°) assuming an effective tightening and clamping of accessories / EMI shielding improvement

**2** Self locking control

**3** Shell to shell metal bottoming

**4** RFI grounding fingers for electrical continuity between plug and receptacle

**5** Individual contact sealing at coupling stage by compression of elastomer conical risers on hard insert

**6** Interface sealing assumed by H.F. gasket

**7** Shell/insert assumed by potting

**8** Sealing on each wire thanks to several sealing barriers

*Connecteur électrique conçu pour utilisation :*
- *Sur les moteurs et propulseurs*
- *Dans les zones à environnement sévères.*

*Connecteur électrique à verrouillage à vis par bague filetée, auto-freinée, à sens prépondérant au verrouillage. (Tous modèles).*

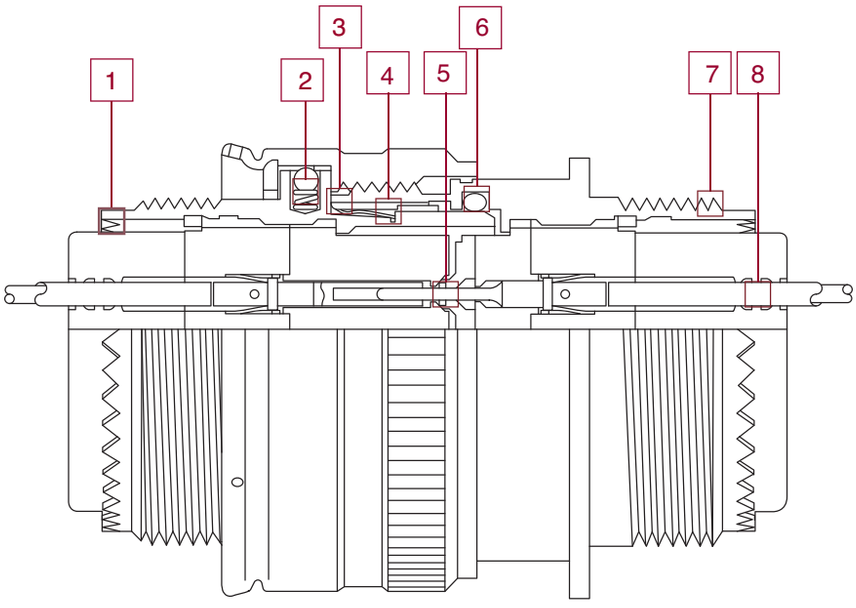
*Cette série de connecteurs est issue des normes EN 2997, MIL-DTL-83723 Série III, NF-L 54143 et des normes SAE/AS 39029 , EN 3155 et ESC30 pour les contacts électriques, et répond aux spécifications SBAC ESC10 et Boeing BACC63.*

*Les améliorations suivantes ont été apportées par rapport à la norme MIL-DTL-83723 :*
- *Butée mécanique à l'accouplement.*
- *Denture sur 360° à l'arrière de tous les boîtiers.*
- *Système auto-freinant à prépondérance sur toutes les fiches.*
- *Réduction des barrières d'étanchéité pour utilisation des câbles d'ancienne et de nouvelle générations.*

*Tous les connecteurs DEUTSCH de la Série 983 sont interchangeables et intermariables avec les connecteurs des normes MIL-DTL-83723 série III, NF-L 54143 et avec les connecteurs DEUTSCH Série 83730.*

*Une large gamme d'accessoires complète la famille de connecteurs 983 :*
- *Ecrou arrière*
- *Serre câble droit*
- *Serre câble coudé*
- *Raccord potting etc...*

*Consultez-nous pour de plus amples renseignements.*




1 *Système anti-rotation par denture sur 360° assurant un serrage et un blocage efficaces des accessoires, plus une amélioration de la protection EMI.*

2 *Système d'auto-freinage à sens préférentiel*

3 *Blocage mécanique en fin de verrouillage*

4 *Continuité électrique entre fiche et embase par couronne de masse (RFI)*

5 *Étanchéité individuelle des contacts par compression des cheminées en élastomère sur isolant dur*

6 *Étanchéité entre fiche et embase par joint périphérique*

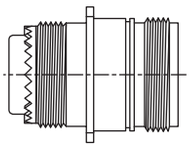
7 *Étanchéité entre boîtier et isolant par opération de potting silicone*

8 *Étanchéité garantie sur chaque câble grâce à plusieurs barrières d'étanchéité.*

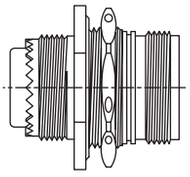
## Receptacles
*Embases*

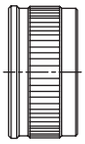
## Accessories
*Accessoires*

Sealed square flange receptacle
Embase étanche collerette carrée
**TYPE 0**

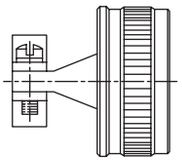


Sealed jam-nut mounting receptacle
*Embase étanche collerette ronde*
**TYPE 7**

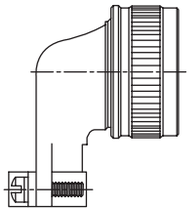




Nut
*Écrou arrière*



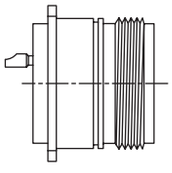
Straight cable clamp
*Serre câble droit*



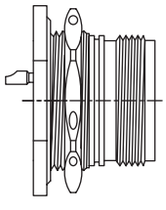
Elbowed cable clamp
*Serre câble coudé*

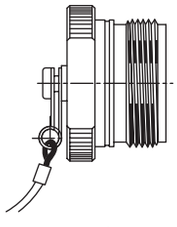
## Hermetic receptacles
*Embases hermétiques*

Hermetic square flange receptacle
*Embase hermétique collerette carrée*
**TYPE 0**



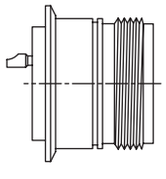
Hermetic jam-nut mounting receptacle
*Embase hermétique collerette ronde*
**TYPE 7**





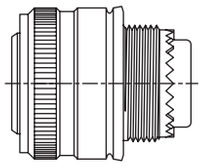
Protective cap for plug
*Bouchon de protection pour fiche*

Hermetic solder receptacle
*Embase hermétique à souder*
**TYPE 1**



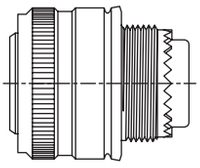
## Plugs
*Fiches*

Sealed plug
*Fiche étanche*
**TYPE 6**

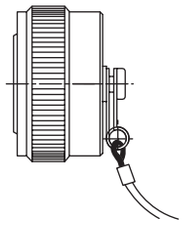


W, R, K, KE

Sealed plug with RFI fingers
*Fiche étanche avec bague de continuité de masse*
**TYPE 6**

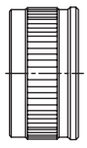


WS, RS, S, SE

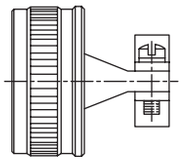


Protective cap for plug
*Bouchon de protection pour fiche*

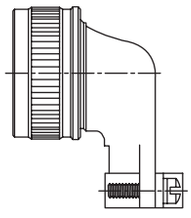
## Accessories
*Accessoires*



Nut
*Écrou arrière*



Straight cable clamp
*Serre câble droit*



Elbowed cable clamp
*Serre câble coudé*

| PLUGS AND RECEPTACLES MATING POSSIBILITIES<br>*POSSIBILITÉS D'ASSOCIATIONS DES FICHES ET EMBASES* | | | | | |
|---|---|---|---|---|---|
| Temperature class / *Classe de température* | | 175° C | 200° C | 200° C | 260° C Cyclic / *Cyclique* |
| Shells material / *Matière boîtiers* | | Aluminium | Aluminium | Stainless steel / *Acier inox* | Stainless steel / *Acier inox* |
| Models / Modèles | Plugs / *Fiches* | W / WS or/*ou* A | R or/*ou* RS | K or/*ou* S | SE or/*ou* KE |
| | Receptacles /*Embases* | WS or/*ou* A | RS | S or/*ou* Y | SE or/*ou* YE |

## Mechanical

| | | | Models of connectors | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | W | WS | R | RS | K | S | Y | KE | SE | YE |
| Shell | Material | Stainless steel | | | | | | ● | ● | ● | ● | ● | ● |
| | | Aluminium nickel | | | | ● | ● | | | | | | |
| | | Aluminium olive drab cadmium | | ● | ● | | | | | | | | |
| | | Aluminium black anodize | ● | | | | | | | | | | |
| Insert | Material | Thermo-setting | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | Silicone | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | Sintered glass | | | | | | | | ● | | | ● |
| Contacts | Type | Crimp type, removable, gold plating | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | Solder type, non removable, gold plating | | | | | | | | ● | | | ● |
| Version | | Sealed | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | Hermetic | | | | | | | | ● | | | ● |
| Temperature range | | 175° C | | ● | ● | | | | | | | | |
| | | 200° C | ● | | | ● | ● | ● | ● | ● | | | |
| | | 260° C cyclique | | | | | | | | | ● | ● | ● |
| Fire resistance as per EN2591-318 | | | | | | | | ● | ● | | ● | ● | |
| Connector with self locking control | | | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| Mechanical endurance | | 250 operations | ● | ● | ● | ● | ● | | | | | | |
| | | 500 operations | | | | | | ● | ● | ● | ● | ● | ● |
| Shielding | | RFI sur plug | | | ● | | ● | | ● | | | ● | |
| Corrosion (salt spray) as per EN 2591-307 | | 48 heures | ● | | | ● | ● | | | | | | |
| | | 500 hours | | ● | ● | | | ● | ● | ● | ● | ● | ● |
| Vibrations as per EN 2591 test 403, method B (10 to 2000 Hz along 2 axes) | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Shocks as per EN2591-402 | | 300g/3ms | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Sealed | | 16.10-6 m3/h / 100 kPa | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |

## Electrical

| | | |
|---|---|---|
| Insulation resistance | | > to 5000 MΩ at 260° C and 65% R.H |
| Dielectric withstanding voltage | At sea level | 1500 Vrms 50 Hz mated connectors |
| | At 15 000 meters altitude | 1000 Vrms 50 Hz mated connectors |
| | At 30 000 meters altitude | 200 Vrms 50 Hz unmated connectors |
| Shielding efficiency as per EN 2591-213 | | 100 MHz to 1 GHz models RS - S - SE -WS |
| Current nominal rating (as per cables used see table below) | | |

| contact Type | Size | | Conductors sizes Standards cables Code | | Fire resistant cables as per EN 2234 Code | | External outer diameter insulating sheath (in mm) | Maximum permissible current rating per contact (in Amp.) Connector | |
|---|---|---|---|---|---|---|---|---|---|
| | Contact | Bucket | AECMA | AWG* | AECMA | AWG* | | Sealed | Hermetic |
| Standard | 20 | 20 | 006 | 20 | - | - | 0,85 à 2,10 | 7,5 | 5 |
| | | | 004 | 22 | 004 | 22 | 0,85 à 2,10 | 5,0 | - |
| | | | 002 | 24 | - | - | 0,85 à 2,10 | 3,0 | - |
| | 16 | 16 | 012 | 16 | - | - | 1,20 à 2,70 | 13,0 | 10 |
| | | | 010 | 18 | 010 | 18 | 1,20 à 2,70 | 11,0 | - |
| | | | 006 | 20 | 006 | 20 | 1,20 à 2,70 | 7,5 | - |
| | 12 | 12 | 030 | 12 | - | - | 1,90 à 4,00 | 23,0 | 17 |
| | | | 020 | 14 | 020 | 14 | 1,90 à 4,00 | 17,0 | - |
| Specific | 20 | 18 | 010 | 18 | - | - | 0,85 à 2,10 | 7,5 | - |
| | | | 006 | 20 | - | - | 0,85 à 2,10 | 7,5 | - |
| | | | 004 | 22 | 004 | 22 | 0,85 à 2,10 | 5,0 | - |
| | | | 002 | 24 | - | - | 0,85 à 2,10 | 3,0 | - |

*AWG : " American Wire Gage".

## Mécaniques

| | | | Modèles de connecteurs | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | A | W | WS | R | RS | K | S | Y | KE | SE | YE |
| Boîtier | Matière | Acier inoxydable | | | | | | ● | ● | ● | ● | ● | ● |
| | | Aluminium nickelé | | | | ● | ● | | | | | | |
| | | Aluminium cadmié vert olive | | ● | ● | | | | | | | | |
| | | Aluminium anodisé noir | ● | | | | | | | | | | |
| Isolant | Matière | Résine thermodurcissable | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | Silicone | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | Verre fritté | | | | | | | | ● | | | ● |
| Contacts | Type | À sertir, doré, démontable | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | À souder, doré, non démontable | | | | | | | | ● | | | ● |
| Version | | Étanche | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| | | Hermétique | | | | | | | | ● | | | ● |
| Température d'utilisation | | 175° C | | ● | ● | | | | | | | | |
| | | 200° C | ● | | | | ● | ● | ● | ● | ● | | |
| | | 260° C cyclique | | | | | | | | | ● | ● | ● |
| Tenue au feu suivant EN2591-318 | | | | | | | | | ● | ● | | ● | ● |
| Verrouillage à sens préférentiel | | | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |
| Endurance mécanique | | 250 manoeuvres | ● | ● | ● | ● | ● | | | | | | |
| | | 500 manoeuvres | | | | | | ● | ● | ● | ● | ● | ● |
| Continuité de masse | | RFI sur plug | | | ● | | ● | | ● | | | ● | |
| Tenue aux brouillard salin suivant EN 2591-307 | | 48 heures | ● | | | ● | ● | | | | | | |
| | | 500 heures | | ● | ● | | | ● | ● | ● | ● | ● | ● |
| Vibrations suivant EN 2591 essai D3, méthodes B (de 10 à 2000 Hz dans 2 axes) | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Chocs suivant EN2591-402 | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Etanchéité | | 16.10-$^{6}$ m$^3$/h / 100 kPa | ● | ● | ● | ● | ● | ● | ● | | ● | ● | |

## Electriques

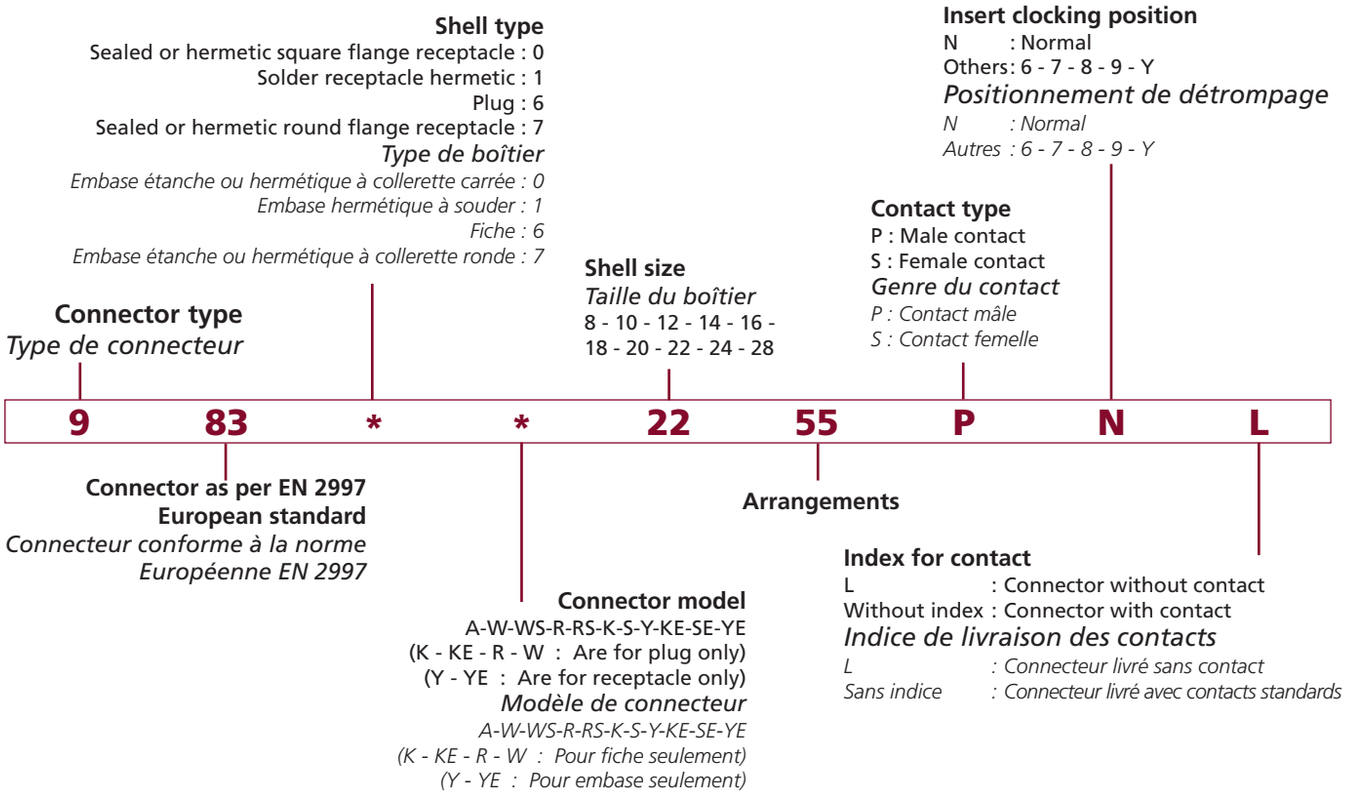
| | | |
|---|---|---|
| Résistance d'isolement | | > 5000 MΩ à 260° C et 65% R.H |
| Tension de tenue | Au niveau de la mer | 1500 V eff. 50 Hz connecteurs accouplés |
| | A 15000 mètres d'altitude | 1000 V eff. 50 Hz connecteurs accouplés |
| | A 30000 mètres d'altitude | 200 V eff. 50 Hz connecteurs désaccouplés |
| Efficacité du blindage suivant EN 2591-213 | | 100 MHz à 1 GHz modèles RS - S - SE -WS |
| Intensité nominale admissible (En fonction des câbles utilisés, voir tableau ci-dessous) | | |

| Type de contact | Taille | | Taille des conducteurs | | | | Diamètre extérieur sur gaine des câbles (en mm) | Intensité max. par contact (en Amp.) Connecteur | |
|---|---|---|---|---|---|---|---|---|---|
| | | | Câbles standards Code | | Câbles résistants au feu suivant EN 2234 Code | | | | |
| | Contact | Fit | AECMA | AWG* | AECMA | AWG* | | Etanche | Hermetique |
| Standard | 20 | 20 | 006 | 20 | - | - | 0,85 à 2,10 | 7,5 | 5 |
| | | | 004 | 22 | 004 | 22 | 0,85 à 2,10 | 5,0 | - |
| | | | 002 | 24 | - | - | 0,85 à 2,10 | 3,0 | - |
| | 16 | 16 | 012 | 16 | - | - | 1,20 à 2,70 | 13,0 | 10 |
| | | | 010 | 18 | 010 | 18 | 1,20 à 2,70 | 11,0 | - |
| | | | 006 | 20 | 006 | 20 | 1,20 à 2,70 | 7,5 | - |
| | 12 | 12 | 030 | 12 | - | - | 1,90 à 4,00 | 23,0 | 17 |
| | | | 020 | 14 | 020 | 14 | 1,90 à 4,00 | 17,0 | - |
| Specific | 20 | 18 | 010 | 18 | - | - | 0,85 à 2,10 | 7,5 | - |
| | | | 006 | 20 | - | - | 0,85 à 2,10 | 7,5 | - |
| | | | 004 | 22 | 004 | 22 | 0,85 à 2,10 | 5,0 | - |
| | | | 002 | 24 | - | - | 0,85 à 2,10 | 3,0 | - |

*AWG : " American Wire Gage" la plus proche.

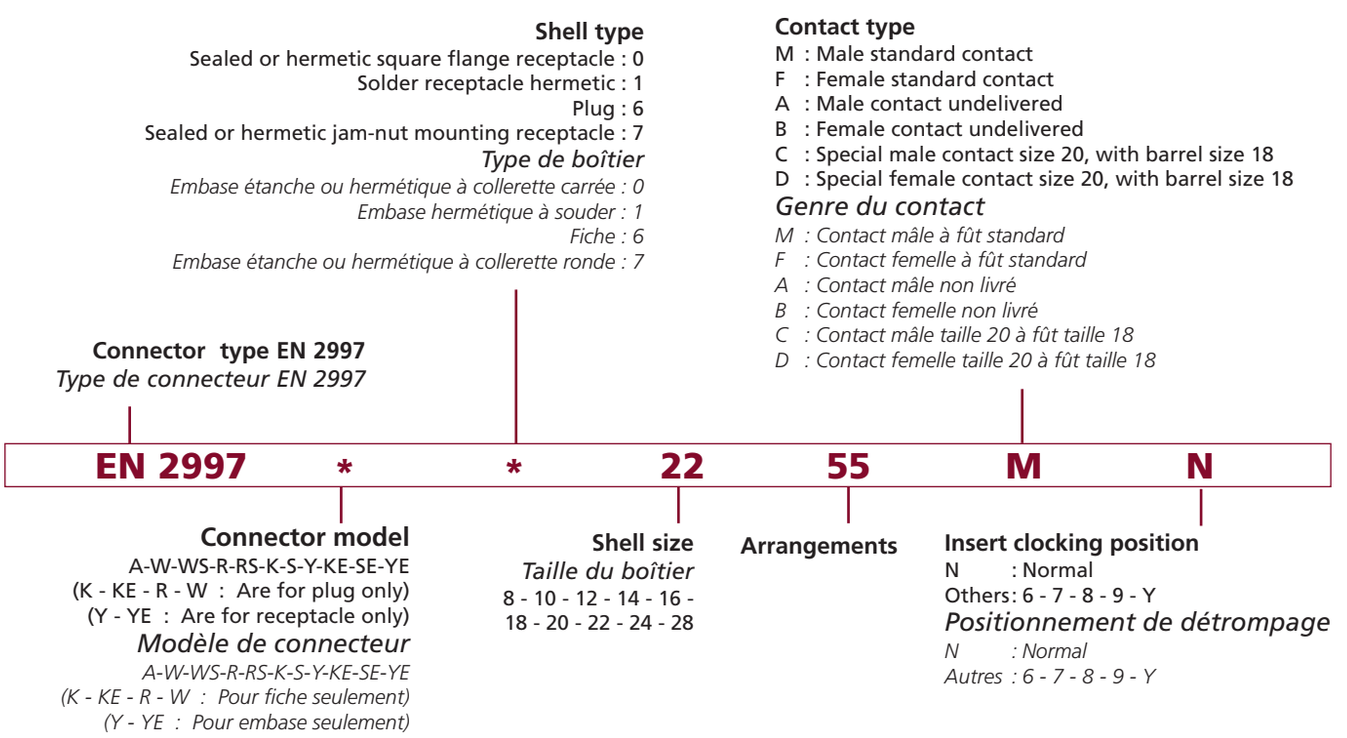
## Deutsch part numbering system / *Système de référence Deutsch*

• **Example of order / *Exemple de commande* : 983-6SE 12-03 SN**

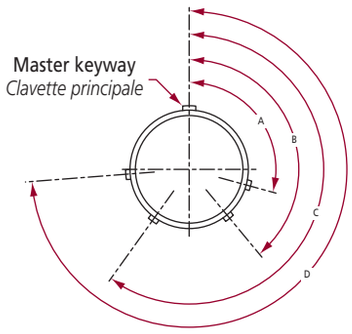



## ASD/STAN part numbering system / *Système de référence ASD/STAN*

• **Example of order / *Exemple de commande* : EN 2997SE61203FN**



**Plug front view** / *Fiche, vue face avant*




| Keying | Key/Keyway locations in degrees / *Positionement en degrés des clavettes* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Size/*Taille* 8 | | | | Size /*Taille* 10 | | | | Size/*Taille* 12 to/*à* 28 | | | |
| *Position* | A° | B° | C° | D° | A° | B° | C° | D° | A° | B° | C° | D° |
| N-Normal | 105 | 140 | 215 | 265 | 105 | 140 | 215 | 265 | 105 | 140 | 215 | 265 |
| 6 | 102 | 132 | 248 | 320 | 102 | 132 | 248 | 320 | 18 | 148 | 192 | 259 |
| 7 | 80 | 118 | 230 | 312 | 80 | 118 | 230 | 312 | 92 | 152 | 222 | 342 |
| 8 | 35 | 140 | 205 | 275 | 35 | 140 | 205 | 275 | 84 | 152 | 204 | 334 |
| 9 | 64 | 155 | 234 | 304 | 64 | 155 | 234 | 304 | 24 | 135 | 199 | 240 |
| Y | - | - | - | - | 25 | 115 | 220 | 270 | 98 | 152 | 268 | 338 |

# Arrangements

Male insert, front face view / *Vue face avant isolant mâle.*

Disposition 08-03
3 contacts size/*taille* 20

Disposition 08-98
3 contacts size/*taille* 20

Disposition 10-05
5 contacts size/*taille* 20

Disposition 10-06
6 contacts size/*taille* 20

Disposition 12-03
3 contacts size/*taille* 16

Disposition 12-12
12 contacts size/*taille* 20

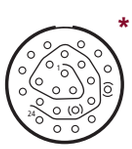
Disposition 14-04
4 contacts size/*taille* 12

Disposition 14-07
7 contacts size/*taille* 16

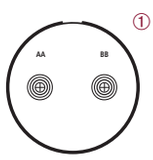
Disposition 14-12
9 contacts size/*taille* 20
3 contacts size/*taille* 16

Disposition 14-15
15 contacts size/*taille* 20

Disposition 16-10
10 contacts size/*taille* 16



Disposition 16-24
24 contacts size/*taille* 20

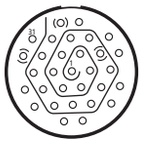


Disposition 18-02
2 contacts size/*taille* Quadrax

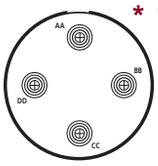
Disposition 18-08
8 contacts size/*taille* 12

Disposition 18-14
14 contacts size/*taille* 16

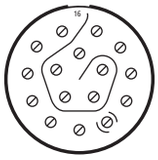
Male insert, front face view / *Vue face avant isolant mâle.*



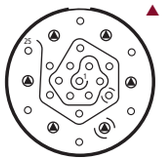
Disposition 18-31
31 contacts size/*taille* 20




Disposition 20-04
4 contacts size/*taille* Quadrax



Disposition 20-16
16 contacts size/*taille* 16

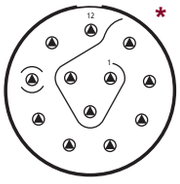


Disposition 20-25
19 contacts size/*taille* 20
6 contacts size/*taille* 12

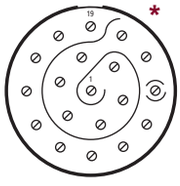
Disposition 20-28
24 contacts size/*taille* 20
4 contacts size/*taille* 12

Disposition 20-39
37 contacts size/*taille* 20
2 contacts size/*taille* 16

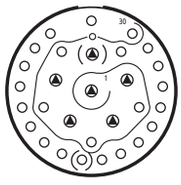
Disposition 20-41
41 contacts size/*taille* 20



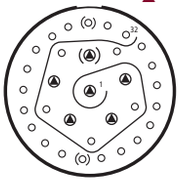
Disposition 22-12
12 contacts size/*taille* 12



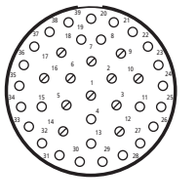
Disposition 22-19
19 contacts size/*taille* 16



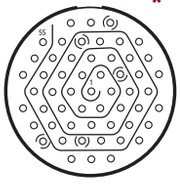
Disposition 22-30
24 contacts size/*taille*20
6 contacts size/*taille* 12



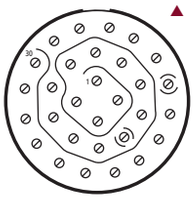
Disposition 22-32
26 contacts size/*taille* 20
6 contacts size/*taille* 12



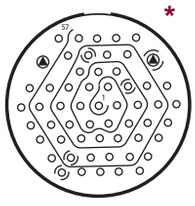
Disposition 22-39
27 contacts size/*taille* 20
12 contacts size/*taille* 16



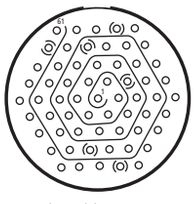
Disposition 22-55
55 contacts size/*taille* 20



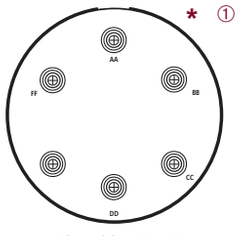
Disposition 24-30
30 contacts size/*taille* 16



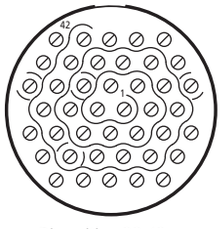
Disposition 24-57 (*)
55 contacts size/*taille* 20
2 contacts size/*taille* 12



Disposition 24-61
61 contacts size/*taille* 20




Disposition 28-06
6 contacts size/*taille* Quadrax



Disposition 28-42
42 contacts size/*taille* 16

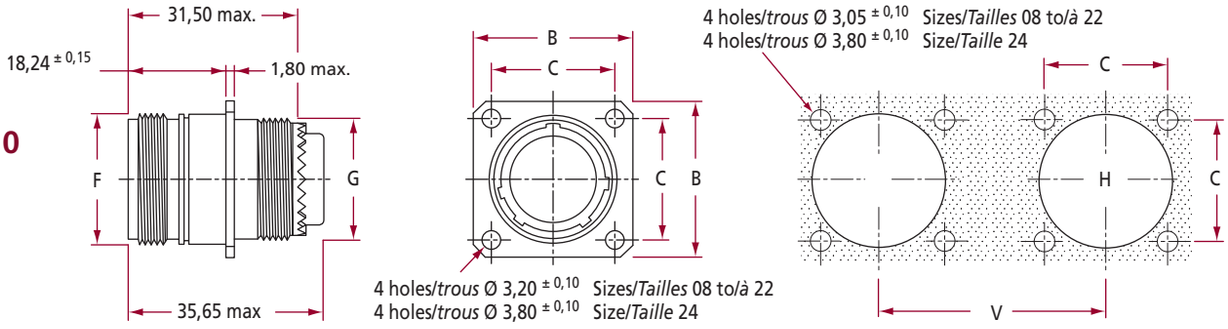
* : Available in hermetic version / *Disponible en hermétique*
▲ : Consult us / *Nous consulter*
① : Also available for K6 contacts, consult us / *Egalement disponible pour contacts K6, nous consulter.*

| Sizes and number of contacts / *Tailles et nombre de contacts* | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Arrangements | 20 | 16 | 12 | Quadrax or/ou K6 | Arrangements | 20 | 16 | 12 | Quadrax or/ou K6 | Arrangements | 20 | 16 | 12 | Quadrax or/ou K6 |
| 08-03 | 3 | - | - | - | 16-24 | 24 | - | - | - | 22-12 | - | - | 12 | - |
| 08-98 | 3 | - | - | - | 18-02 | - | - | - | 2 | 22-19 | - | 19 | - | - |
| 10-05 | 5 | - | - | - | 18-08 | - | - | 8 | - | 22-30 | 24 | - | 6 | - |
| 10-06 | 6 | - | - | - | 18-14 | - | 14 | - | - | 22-32 | 26 | - | 6 | - |
| 12-03 | - | 3 | - | - | 18-31 | 31 | - | - | - | 22-39 | 27 | 12 | - | - |
| 12-12 | 12 | - | - | - | 20-04 | - | - | - | 4 | 22-55 | 55 | - | - | - |
| 14-04 | - | - | 4 | - | 20-16 | - | 16 | - | - | 24-30 | - | 30 | - | - |
| 14-07 | - | 7 | - | - | 20-25 | 19 | - | 6 | - | 24-57 | 55 | - | 2 | - |
| 14-12 | 9 | 3 | - | - | 20-28 | 24 | - | 4 | - | 24-61 | 61 | - | - | - |
| 14-15 | 15 | - | - | - | 20-39 | 37 | 2 | - | - | 28-06 | - | - | - | 6 |
| 16-10 | - | 10 | - | - | 20-41 | 41 | - | - | - | 28-42 | - | 42 | - | - |

## Square flange / *Collerette carrée*

Mounting styles with 4 screws / *Mode de fixation 4 vis*

**TYPE 0**



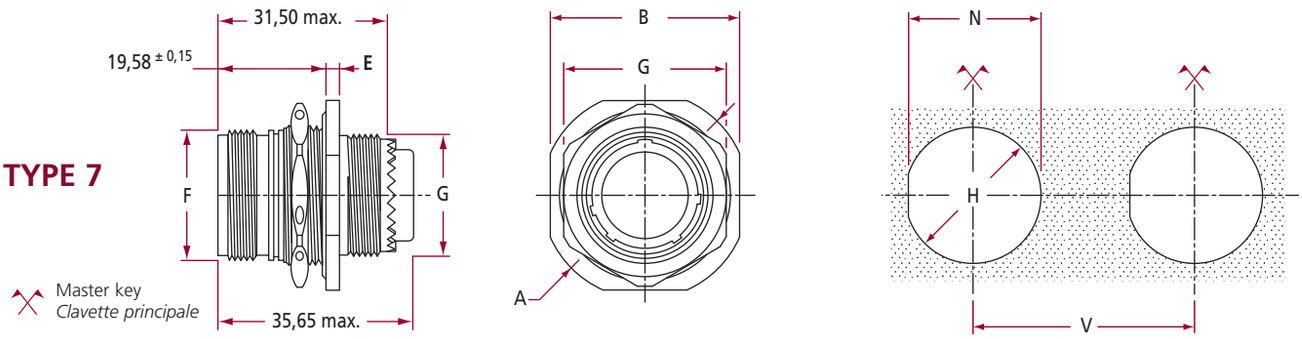

| Size *Taille* | B max. | C ± 0,05 | F max. | G max. | H ± 0 - 0,02 | V Mini. | Weight max. (gr) * *Masse max. (gr)* * Stainless steel *Acier inox* | Alu |
|---|---|---|---|---|---|---|---|---|
| 08 | 20,75 | 15,09 | 14,27 | 12,70 | 15,80 | 31,70 | 19 | 11 |
| 10 | 23,93 | 18,26 | 17,47 | 15,88 | 18,70 | 34,90 | 28 | 16 |
| 12 | 26,32 | 20,62 | 22,22 | 19,05 | 23,40 | 39,60 | 39 | 27 |
| 14 | 28,71 | 23,01 | 23,82 | 22,23 | 24,90 | 41,25 | 51 | 30 |
| 16 | 31,88 | 24,61 | 26,97 | 25,40 | 28,30 | 44,45 | 62 | 34 |
| 18 | 34,24 | 26,97 | 30,18 | 26,97 | 31,10 | 47,35 | 73 | 36 |
| 20 | 36,63 | 29,36 | 33,32 | 30,18 | 34,50 | 51,90 | 82 | 40 |
| 22 | 39,80 | 31,75 | 36,53 | 33,32 | 37,50 | 54,10 | 90 | 51 |
| 24 | 43,39 | 34,92 | 39,67 | 36,53 | 40,60 | 57,25 | 105 | 58 |
| 28 | 50,93 | 39,67 | 46,02 | 44,45 | 48,00 | 65,25 | 126 | 88 |

* : Without contact / *Sans contact*

## Jam-nut mounting / *Collerette ronde*

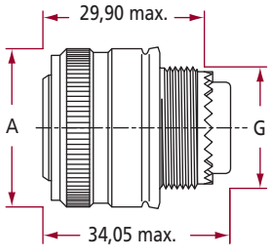
Mounting styles with panel cutout / Mode de fixation écrou

**TYPE 7**



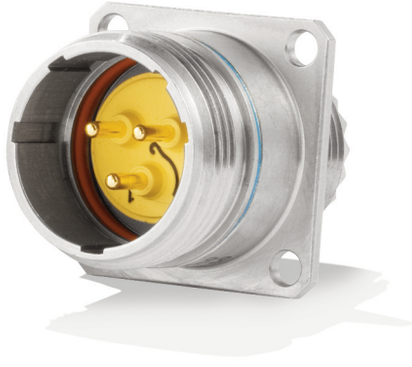

| Size *Taille* | A max. | B max. | E max. | F max. | G max. | H ± 0 ± 0,2 | M max. | N + 0 - 0,2 | V Mini. | Weight max. (gr) * *Masse max. (gr)* * Stainless steel *Acier inox* | Alu | Tightening torque of panel nut *Couple de serrage de l'écrou de panneau* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | 27,38 | 24,89 | 3,48 | 14,27 | 12,70 | 16,26 | 21,06 | 15,50 | 31,70 | 32 | 15 | 7m.N max. |
| 10 | 30,28 | 28,04 | 3,48 | 17,47 | 15,88 | 19,43 | 24,23 | 18,67 | 34,90 | 41 | 21 | 10m.N max. |
| 12 | 35,05 | 32,79 | 3,48 | 22,22 | 19,05 | 24,18 | 29,01 | 23,42 | 39,60 | 58 | 30 | 12m.N max. |
| 14 | 38,51 | 35,33 | 3,48 | 23,82 | 22,23 | 25,78 | 30,61 | 25,02 | 41,25 | 68 | 35 | 15m.N max. |
| 16 | 41,68 | 38,51 | 3,48 | 26,97 | 25,40 | 28,96 | 33,75 | 28,20 | 44,45 | 82 | 46 | 18m.N max. |
| 18 | 44,86 | 41,68 | 3,48 | 30,18 | 26,97 | 32,13 | 36,96 | 31,25 | 47,35 | 88 | 51 | 22m.N max. |
| 20 | 49,63 | 44,86 | 3,48 | 33,32 | 30,18 | 35,31 | 40,11 | 34,42 | 51,90 | 100 | 56 | 25m.N max. |
| 22 | 52,78 | 49,63 | 3,76 | 36,53 | 33,32 | 38,48 | 43,31 | 37,59 | 54,10 | 123 | 69 | 27m.N max. |
| 24 | 55,42 | 52,81 | 3,76 | 39,67 | 36,53 | 41,65 | 46,46 | 40,77 | 57,25 | 137 | 82 | 29m.N max. |
| 28 | 61,82 | 59,21 | 3,76 | 46,02 | 44,45 | 48,01 | 54,41 | 47,14 | 65,25 | 191 | 120 | 30m.N max. |

* : Without contact
*Sans contact*




| Size<br>*Taille* | A<br>max. | G<br>max. | Weight max. (gr) *<br>*Masse max. (gr) **<br>Stainless steel<br>*Acier inox* | <br><br><br>Alu |
|---|---|---|---|---|
| 08 | 21,30 | 12,70 | 31 | 14 |
| 10 | 24,90 | 15,85 | 44 | 21 |
| 12 | 29,60 | 19,05 | 57 | 26 |
| 14 | 31,24 | 22,20 | 72 | 38 |
| 16 | 32,42 | 25,40 | 82 | 39 |
| 18 | 37,34 | 26,95 | 95 | 43 |
| 20 | 4191 | 30,15 | 108 | 48 |
| 22 | 44,07 | 33,30 | 121 | 65 |
| 24 | 47,24 | 36,50 | 134 | 67 |
| 28 | 55,24 | 44,45 | 160 | 103 |

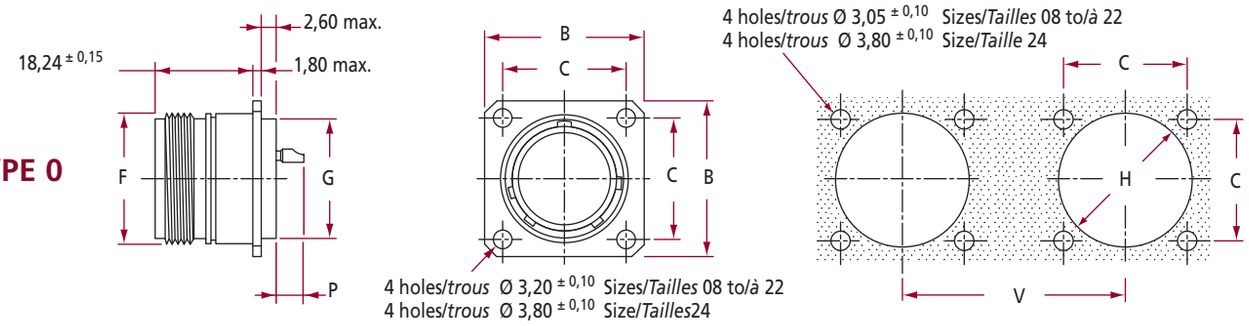
* : Without contact / *Sans contact*



## Square flange / *Collerette carrée*

**TYPE 0**

Mounting styles with 4 screws / *Mode de fixation 4 vis*



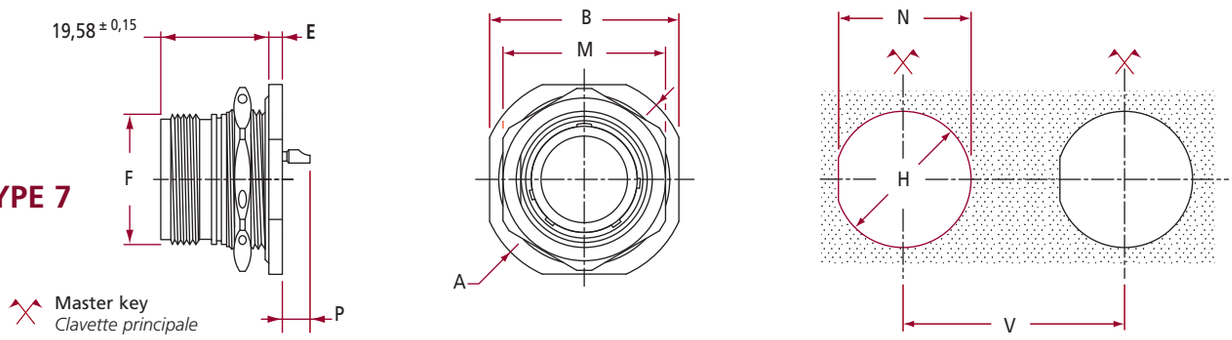

| Size *Taille* | B max. | C ± 0,05 | F max. | G max. | H ± 0 - 0,2 | P max. Size / *Taille* 20 | P max. Size / *Taille* 16-12 | V mini. | Weight max. (gr) * *Masse max. (gr) ** |
|---|---|---|---|---|---|---|---|---|---|
| 08 | 20,75 | 15,09 | 14,27 | 12,70 | 15,80 | 4,93 | 5,69 | 31,70 | 18 |
| 10 | 23,93 | 18,26 | 17,47 | 15,88 | 18,70 | 4,93 | 5,69 | 34,90 | 24 |
| 12 | 26,32 | 20,62 | 22,22 | 19,05 | 23,40 | 4,93 | 5,69 | 39,60 | 31 |
| 14 | 28,71 | 23,01 | 23,82 | 22,23 | 24,90 | 4,93 | 5,69 | 41,25 | 40 |
| 16 | 31,88 | 24,61 | 26,97 | 25,40 | 28,30 | 4,93 | 5,69 | 44,45 | 49 |
| 18 | 34,24 | 26,97 | 30,18 | 26,97 | 31,10 | 4,93 | 5,69 | 47,35 | 54 |
| 20 | 36,63 | 29,36 | 33,32 | 30,18 | 34,50 | 4,93 | 5,69 | 51,90 | 62 |
| 22 | 39,80 | 31,75 | 36,53 | 33,32 | 37,50 | 4,93 | 5,69 | 54,10 | 77 |
| 24 | 43,39 | 34,92 | 39,67 | 36,53 | 40,60 | 4,93 | 5,69 | 57,25 | 88 |

* : Without contact
*Sans contact*

## Jam-nut mounting / Collerette ronde

**TYPE 7**

Mounting styles with 4 screws / *Mode de fixation écrou*

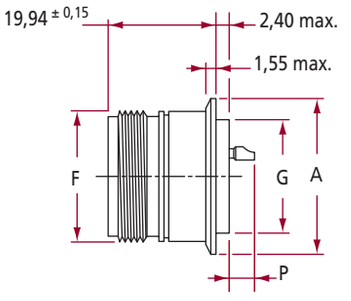


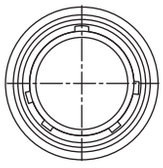

| Size Taille | A max. | B max. | E max. | F max. | H ± 0 ± 0,2 | M max. | N + 0 - 0,2 | P max. Size / taille 20 | P max. Size / taille 16-12 | V mini. | Weight max. (gr) * Masse max. (gr) * | Tightening torque of panel nut Couple de serrage de l'écrou de panneau |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 08 | 27,38 | 24,89 | 3,48 | 14,27 | 16,26 | 21,06 | 15,50 | 4,57 | 5,33 | 31,70 | 29 | 7m.N max. |
| 10 | 30,28 | 28,04 | 3,48 | 17,47 | 19,43 | 24,23 | 18,67 | 4,57 | 5,33 | 34,90 | 37 | 10m.N max. |
| 12 | 35,05 | 32,79 | 3,48 | 22,22 | 24,18 | 29,01 | 23,42 | 4,57 | 5,33 | 39,60 | 50 | 12m.N max. |
| 14 | 38,51 | 35,33 | 3,48 | 23,82 | 25,78 | 30,61 | 25,02 | 4,57 | 5,33 | 41,25 | 58 | 15mN. max. |
| 16 | 41,68 | 38,51 | 3,48 | 26,97 | 28,96 | 33,76 | 28,20 | 4,57 | 5,33 | 44,45 | 72 | 18mN. max. |
| 18 | 44,86 | 41,68 | 3,48 | 30,18 | 32,13 | 36,96 | 31,25 | 4,57 | 5,33 | 47,35 | 79 | 22m.N max. |
| 20 | 49,63 | 44,86 | 3,48 | 33,32 | 35,31 | 40,11 | 34,42 | 4,57 | 5,33 | 51,90 | 87 | 25m.N max. |
| 22 | 52,78 | 49,63 | 3,76 | 36,53 | 38,48 | 43,31 | 37,59 | 4,29 | 5,05 | 54,10 | 108 | 27mN. max. |
| 24 | 55,42 | 52,81 | 3,76 | 39,67 | 41,66 | 46,46 | 40,77 | 4,29 | 5,05 | 57,25 | 122 | 29mN. max. |

* : Without contact
*Sans contact*

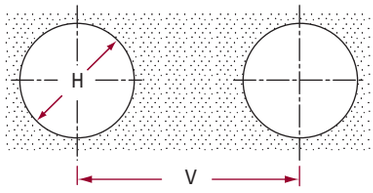
## Solder round flange / *Collerette ronde à souder*

**TYPE 1**



Mounting styles solder flange
*Mode de fixation collerette à braser*



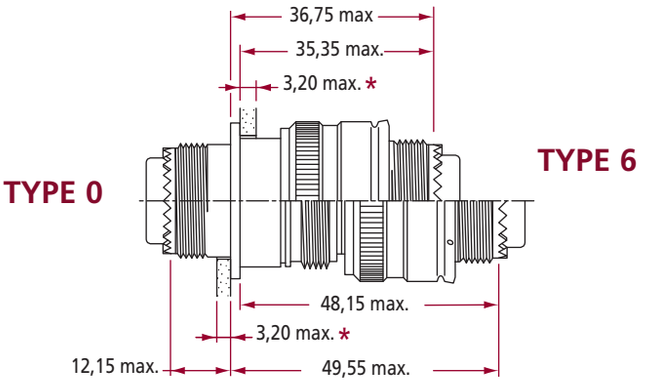

| Size *Taille* | A ± 0 _ 0,2 | F max. | G max. | H ± 0 - 0,2 | P max. Size / *Taille* 20 | P max. Size / *Taille* 16-12 | V mini. | Weight max. (gr) * *Masse max. (gr) ** |
|---|---|---|---|---|---|---|---|---|
| 08 | 18,30 | 14,27 | 12,70 | 12,96 | 4,93 | 5,69 | 31,70 | 15 |
| 10 | 21,50 | 17,47 | 14,27 | 14,53 | 4,93 | 5,69 | 34,90 | 21 |
| 12 | 26,90 | 22,22 | 19,05 | 19,30 | 4,93 | 5,69 | 39,60 | 31 |
| 14 | 27,90 | 23,82 | 20,62 | 20,88 | 4,93 | 5,69 | 41,25 | 35 |
| 16 | 30,90 | 26,97 | 23,80 | 24,05 | 4,93 | 5,69 | 44,45 | 46 |
| 18 | 34,30 | 30,18 | 26,97 | 27,25 | 4,93 | 5,69 | 47,35 | 51 |
| 20 | 37,30 | 33,32 | 30,15 | 30,40 | 4,93 | 5,69 | 51,90 | 59 |
| 22 | 40,60 | 36,53 | 33,32 | 33,58 | 4,93 | 5,69 | 54,10 | 73 |
| 24 | 43,60 | 39,67 | 36,50 | 36,75 | 4,93 | 5,69 | 57,25 | 86 |

* : Without contact / *Sans contact*

Stainless steel shell exempt of sulphur E.B. welding and laser.
*Boîtier en acier inox exempt de soufre pour soudure par bombardement électronique et laser.*

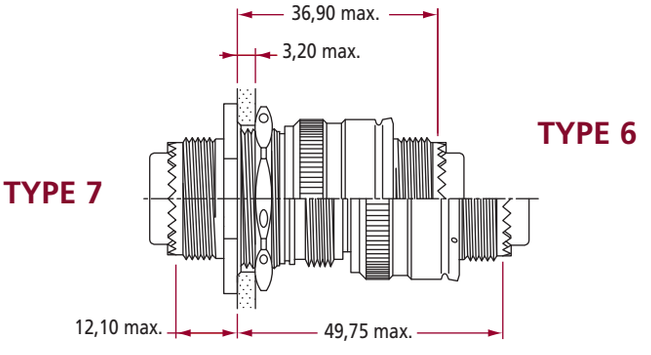
## Square flange / *Collerette carrée*

**Sealed version** / *Version étanche*

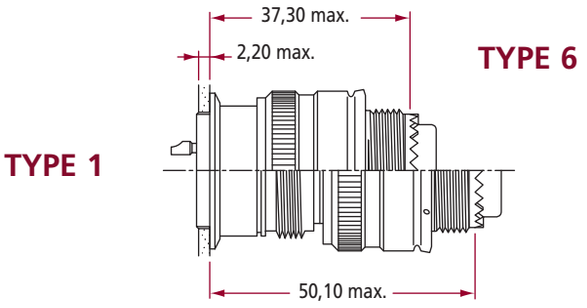



* Nota : Maxi dimension given with panel seal. *Côte maxi. donnée avec joint plat*

## Jam-nut mounting / *Collerette ronde*

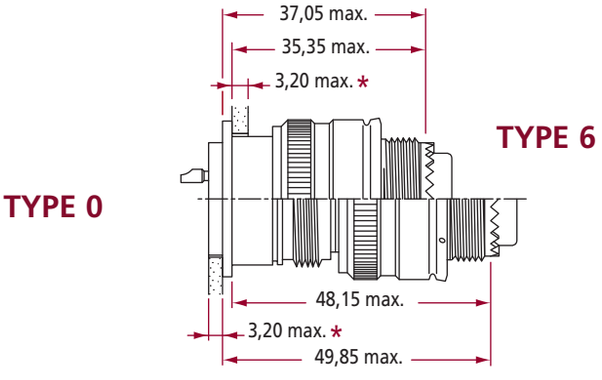


## Solder hole mounting / *Collerette ronde à souder*



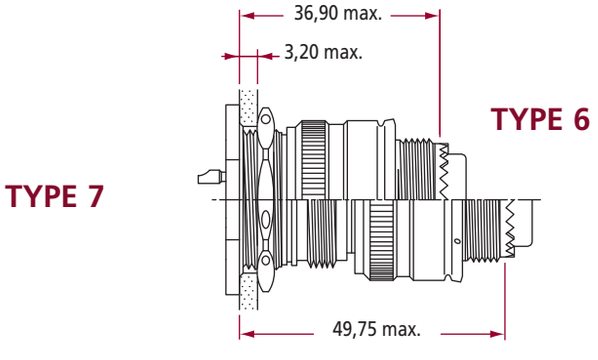

## Square flange / *Collerette carrée*

### Hermetic version / *Version hermétique*

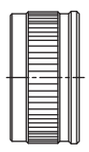



* Nota : Maxi dimension given with panel seal. *Côte maxi. donnée avec joint plat*

## Jam-nut mounting / *Collerette ronde*

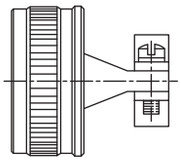


## Nut / *Ecrou arrière*



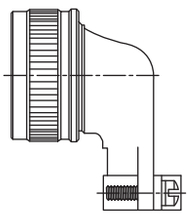
| Size<br>Taille | Part Number / Référence<br>Stainless steel<br>Acier inox | Alu. nickel<br>Alu. nickelé | Alu. cadmium<br>Alu. cadmié | Alu. black anodize<br>Alu anodisé<br>Noir |
|---|---|---|---|---|
| 08 | 66240-08 | 006-0909-08 A499 | 006-0909-08 A838 | 006-0909-08 |
| 10 | 66240-10 | 006-0909-10 A499 | 006-0909-10 A838 | 006-0909-10 |
| 12 | 66240-12 | 006-0909-12 A499 | 006-0909-12 A838 | 006-0909-12 |
| 14 | 66240-14 | 006-0909-14 A499 | 006-0909-14 A838 | 006-0909-14 |
| 16 | 66240-16 | 006-0909-16 A499 | 006-0909-16 A838 | 006-0909-16 |
| 18 | 66240-18 | 006-0909-18 A499 | 006-0909-18 A838 | 006-0909-18 |
| 20 | 66240-20 | 006-0909-20 A499 | 006-0909-20 A838 | 006-0909-20 |
| 22 | 66240-22 | 006-0909-22 A499 | 006-0909-22 A838 | 006-0909-22 |
| 24 | 66240-24 | 006-0909-24 A499 | 006-0909-24 A838 | 006-0909-24 |
| 28 | 66240-28 | 006-0909-28 A499 | 006-0909-28 A838 | 006-0909-28 |
| Used for connectors / *Utilisable pour connecteurs* | | | | |
| Models<br>Modèles | K - KE<br>S - SE | R - RS | W - WS | A |

## Straight cable clamp / *Serre-câble droit*



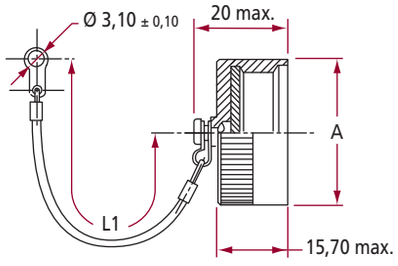
| Size<br>Taille | Part Number / Référence<br>Stainless steel<br>Acier inox | Alu. nickel<br>Alu. nickelé | Alu. cadmium<br>Alu. cadmié | Alu. black anodize<br>Alu. anodisé<br>noir |
|---|---|---|---|---|
| 08 | 66241-08 A | 006-0910-08 A499 | 006-0910-08 A838 | 006-0910-08 |
| 10 | 66241-10 A | 006-0910-10 A499 | 006-0910-10 A838 | 006-0910-10 |
| 12 | 66241-12 A | 006-0910-12 A499 | 006-0910-12 A838 | 006-0910-12 |
| 14 | 66241-14 A | 006-0910-14 A499 | 006-0910-14 A838 | 006-0910-14 |
| 16 | 66241-16 A | 006-0910-16 A499 | 006-0910-16 A838 | 006-0910-16 |
| 18 | 66241-18 A | 006-0910-18 A499 | 006-0910-18 A838 | 006-0910-18 |
| 20 | 66241-20 A | 006-0910-20 A499 | 006-0910-20 A838 | 006-0910-20 |
| 22 | 66241-22 A | 006-0910-22 A499 | 006-0910-22 A838 | 006-0910-22 |
| 24 | 66241-24 A | 006-0910-24 A499 | 006-0910-24 A838 | 006-0910-024 |
| 28 | 66241-28 A | 006-0910-28 A499 | 006-0910-28 A838 | 006-0910-28 |
| Used for connectors / *Utilisable pour connecteurs* | | | | |
| Models<br>Modèles | K - KE<br>S - SE | R - RS | W - WS | A |

## Elbowed cable clamp / *Serre-câble coudé*



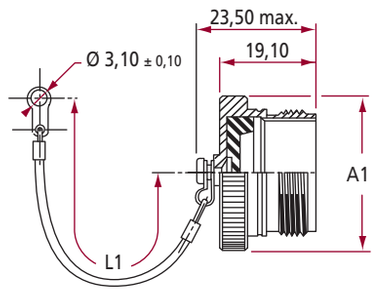
| Size<br>Taille | Part Number / Référence<br>Stainless steel<br>Acier inox | Alu. nickel<br>Alu. nickelé | Alu. cadmium<br>Alu. cadmié | Alu. black anodize<br>Alu anodizé<br>noir |
|---|---|---|---|---|
| 08 | 66332-08 A | 006-0908-08 A499 | 006-0908-08 A838 | 006-0908-08 |
| 10 | 66332-10 A | 006-0908-10 A499 | 006-0908-10 A838 | 006-0908-10 |
| 12 | 66332-12 A | 006-0908-12 A499 | 006-0908-12 A838 | 006-0908-12 |
| 14 | 66332-14 A | 006-0908-14 A499 | 006-0908-14 A838 | 006-0908-14 |
| 16 | 66332-16 A | 006-0908-16 A499 | 006-0908-16 A838 | 006-0908-16 |
| 18 | 66332-18 A | 006-0908-18 A499 | 006-0908-18 A838 | 006-0908-18 |
| 20 | 66332-20 A | 006-0908-20 A499 | 006-0908-20 A838 | 006-0908-20 |
| 22 | 66332-22 A | 006-0908-22 A499 | 006-0908-22 A838 | 006-0908-22 |
| 24 | 66332-24 A | 006-0908-24 A499 | 006-0908-24 A838 | 006-0908-24 |
| 28 | 66332-28 A | 006-0908-28 A499 | 006-0908-28 A838 | 006-0908-28 |
| Used for connectors / *Utilisable pour connecteurs* | | | | |
| Models<br>Modèles | K - KE<br>S - SE | R - RS | W - WS | A |

## For receptacle / *Pour embase*




| Keying Position | Part Number / Référence Stainless steel Acier inxox | Alu. nickel Alu. nickelé | Alu. cadmium Alu. camié |
|---|---|---|---|
| N | 983-3KE-* ** | 983-3R-* ** | 983-3W-* ** |
| 6 | 983-3KE-* ** | 983-3R-* ** | 983-3W-* ** |
| 7 | 983-3KE-* ** | 983-3R-* ** | 983-43W-* ** |
| 8 | 983-3KE-* ** | 983-3R-* ** | 983-3W-* ** |
| 9 | 983-3KE-* ** | 983-3R-* ** | 983-3W-* ** |
| Y | 983-3KE-* ** | 983-3R-* ** | 983-3W-* ** |
| Used for connectors / *Utilisable pour connecteurs* | | | |
| Models / Modèles | K - KE / S - SE | R - RS | W - WS |

## For plug / *Pour fiche*




| Keying Position | Part Number / Référence Stainless steel Acier inxox | Alu. nickel Alu. nickelé | Alu. cadmium Alu. cadmié |
|---|---|---|---|
| N | 983-4KE-* ** | 983-4R-* ** | 983-4W-* ** |
| 6 | 983-4KE-* ** | 983-4R-* ** | 983-4W-* ** |
| 7 | 983-4KE-* ** | 983-4R-* ** | 983-4W-* ** |
| 8 | 983-4KE-* ** | 983-4R-* ** | 983-4W-* ** |
| 9 | 983-4KE-* ** | 983-4R-* ** | 983-4W-* ** |
| Y | 983-4KE-* ** | 983-4R-* ** | 983-4W-* ** |
| Used for connectors / *Utilisable pour connecteurs* | | | |
| Models / Modèles | K - KE / S - SE | R - RS | W - WS |

| Size Taille | A max. | A1 max. | L1 ± 6 mm |
|---|---|---|---|
| 08 | 19,70 | 19,45 | 127 |
| 10 | 23,00 | 23,00 | 127 |
| 12 | 27,35 | 27,35 | 127 |
| 14 | 28,95 | 28,95 | 127 |
| 16 | 32,15 | 32,15 | 127 |
| 18 | 34,90 | 34,90 | 127 |
| 20 | 38,35 | 38,35 | 127 |
| 22 | 41,25 | 41,25 | 127 |
| 24 | 44,70 | 44,70 | 127 |
| 28 | 50,80 | 51,30 | 127 |

* C : With chain and small eyelet / *Avec chaîne et petit oeillet*
* D : With cord and small eyelet / *Avec corde et petit oeillet*
* N : Without chain or cord and with holes for locking wire / *Sans chaîne ni corde et avec trous pour fil de freinage*

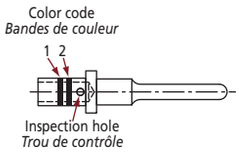
** : Shell size / *Taille boîtier*

# Panel seal / *Joints plats*

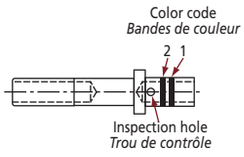
## For square flange receptacle / *Pour embase collerette carrée.*

Panel seal is never delivered with the connector. Order it separately. *Le joint plat n'est jamais livré avec le connecteur. Le commander séparément.*
Consult us / *Nous consulter.*

CONTACTS R - RS - K - S - W - WS MODELS
*CONTACTS MODÈLE R - RS - K - S - W - WS*

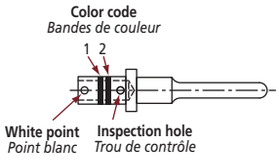



Male Contact / Contact mâle

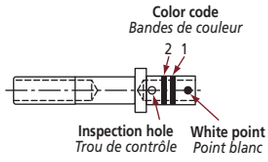



Female Contact / Contact femelle

CONTACTS KE - SE MODELS
*CONTACTS MODÈLE KE - SE*




Male Contact / Contact mâle




Female Contact / Contact femelle

| | CONTACTS | | | | | | CABLES | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | New PN<br>*Nouvelle Reference* | Former PN<br>*Ancienne Reference* | Type<br>*Genre* | Size<br>*Taille* | Mark or Color<br>*Couleur ou repère*<br>1 | 2 | Section<br>*Section*<br>in/*en* mm2 | AWG Wire<br>*Taille Fil* | Ø over sheath<br>*Ø sur gaine* | Observations |
| Models/*Modèles* R - RS - K - S - W - Ws | 006-0937-20<br>006-0912-20 | 0641-10-2059-B<br>0603-34-2059-B | P<br>S | 20 | Red/*Rouge* | | 0,21 to/à 0,60 | 20 to/à 24 | 0,85 to/à 2,10 | Standards contacts delivered with connector<br>*Contacts standards livrés avec le connecteur* |
| | 006-0937-16<br>006-0912-16 | 0641-12-1659-B<br>0603-33-1659-B | P<br>S | 16 | Blue/*Bleu* | | 0,60 to/à 1,34 | 16 to/à 20 | 1,20 to/à 2,70 | Standards contacts delivered with connector<br>*Contacts standards livrés avec le connecteur* |
| | 006-0937-12<br>006-0912-12 | 0641-32-1259-B<br>0603-32-1259-B | P<br>S | 12 | Yellow/*Jaune* | | 1,93 to/à 3,18 | 12 to/à 14 | 1,90 to/à 4,00 | Standards contacts delivered with connector<br>*Contacts standards livrés avec le connecteur* |
| | 006-0044-20<br>006-0055-20 | DF 06-044-20-B<br>DF 06-A-055-20-B | P<br>S | 20 | Purple<br>*Violet* | Red<br>*Rouge* | 0,21 to/à 0,93 | 18 to/à 24 | 0,85 to/à 2,10 | Contacts to be ordered separately<br>*Contacts à commander séparément* |
| | 006-0972-20<br>006-0973-20 | 0641-24-2059-B<br>0603-21-2059-B | P<br>S | 20 | White<br>*Blanc* | Red<br>*Rouge* | 0,055 to/à 0,15 | 26 to/à 30 | 0,85 to/à 2,10 | Contacts to be ordered separately<br>*Contacts à commander séparément* |
| | 006-1102-16<br>006-1104-16 | - | P<br>S | 16 | Orange<br>*Orange* | Blue<br>*Bleu* | 0,93 to/à 1,91 | 14 to/à 18 | 1,20 to/à 2,70 | Contacts to be ordered separately<br>*Contacts à commander séparément* |
| | 182-0450-16<br>182-0451-16 | - | P<br>S | 16 | Red<br>*Rouge* | Blue<br>*Bleu* | 0,25 to/à 0,60 | 20 to/à 24 | 1,20 to/à 2,70 | Contacts to be ordered separately<br>*Contacts à commander séparément* |
| | 025-0870-16<br>025-0871-16 | - | P<br>S | 16 | Black<br>*Noir* | Blue<br>*Bleu* | 0,055 to/à 0,60 | 26 to/à 30 | 1,20 to/à 2,70 | Contacts to be ordered separately<br>*Contacts à commander séparément* |
| Models/*Modèles* KE - SE | 097-0015-20<br>097-0016-20 | 45045-A<br>45109-A | P<br>S | 20 | Red/Rouge | | 0,22 to/à 0,60 | 20 to/à 24 | 0,85 to/à 2,10 | Standards contacts delivered with connector<br>*Contacts standards livrés avec le connecteur* |
| | 097-0047-20<br>097-0053-20 | 47815-A<br>47816-A | P<br>S | 20 | Blue<br>*Bleu* | Red<br>*Rouge* | 0,22 | 24 | 1 | Contacts to be ordered separately<br>*Contacts à commander séparément* |
| | 097-0014-16<br>097-0013-16 | - | P<br>S | 16 | Blue/Bleu | | 0,60 to/à 1,34 | 16 to/à 20 | 1,20 to/à 2,70 | Standards contacts delivered with connector<br>*Contacts standards livrés avec le connecteur* |
| | 097-0177-16<br>097-0178-16 | - | P<br>S | 16 | Blue<br>*Bleu* | Orange<br>*Orange* | 1,91 | 14 | 1,20 to/àà 2,70 | Contacts to be ordered separately<br>*Contacts à commander séparément* |
| | 097-0165-12<br>097-0166-12 | - | P<br>S | 12 | Yellow/*Jaune* | | 1,91 to/à 3,18 | 12 to/à 14 | 1,90 to/à 4,00 | Standards contacts delivered with connector<br>*Contacts standards livrés avec le connecteur* |
| NRG band | 097-0234-20 | 45109-A | S | 20 | Red/Rouge | | 0,22 to/à 0,60 | 20 to/à 24 | 0,85 to/à 2,10 | NRG band contacts / Contacts NRG band |
| | 097-0234-16 | - | S | 16 | Blue/Bleu | | 0,60 to/à 1,34 | 16 to/à 20 | 1,20 to/à 2,70 | NRG band contacts / Contacts NRG band |
| | 097-0234-12 | - | S | 12 | Yellow/*Jaune* | | 1,91 to/à 3,18 | 12 to/à 14 | 1,90 to/à 4,00 | NRG band contacts / Contacts NRG band |

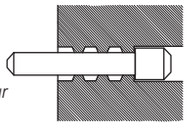
## Power contacts K6 / Contacts de puissance K6

**For arrangements 18-02, 20-04 and 28-06 only** / *Pour les arrangements 18-02, 20-04 et 28-06 uniquement*

| KIT CONTACT / *CONTACT KIT* (CONTACTS + SLEEVE) *(CONTACTS + MANCHON)* | | | COLOR CODE *BANDE DE COULEUR* | | TOOLS / *OUTILS* | | | SEALING PLUG *OBTURATEUR* |
|---|---|---|---|---|---|---|---|---|
| Commercial PN<br>*Réf. commerciale* | Type<br>*Genre* | Wire size<br>*Taille câble* | *1* | *2* | Crimping tool<br>*Pince à sertir* | Positioner<br>*Positionneur* | Extraction tool<br>*Outil d'extraction* | *K6* |
| 182-0672-06<br>182-0673-06 | P<br>S | 6 | Green/*Vert* | Green/*Vert* | M22520/23-01 | M22520/23-03 | 025-0711-06 | 182-8004-08 A |
| 182-0672-08<br>182-0673-08 | P<br>S | 8 | Green/*Vert* | Red/*Rouge* | M22520/23-01 | M22520/23-02 | 025-0711-06 | 182-8004-08 A |
| 182-0672-10<br>182-0673-10 | P<br>S | 10-12 | Green/*Vertt* | Brown/*Marron* | M22520/23-01 | TP1498 | 025-0711-06 | 182-8004-08 A |

Connector rear face

*Face arrière du connecteur*



| SEALING PLUG / *OBTURATEURS* | | TOOLS / *OUTILLAGE* | | | |
|---|---|---|---|---|---|
| Part number *Réference* | Color code *Code couleur* | Crimping tool *Pince à sertir* | Pilot stop *Butée* | Tool/*Outil* Insertion/Extraction | Strip length in mm *Dénudage en mm* |
| 097-0140-20 | Red/*Rouge* | 057-0461-11 | 057-0462-21 | M 15570-20 | 4,00 to/*à* 5,50 |
| 097-0139-16 | Blue/*Bleu* | M22520/1-01 or/*ou* 057-0461-11 | M22520/1-02 or/*ou* 057-0462-21 | M 15570-16 | 6,40 to/*à* 8,00 |
| 097-0138-12 | Yellow/*Jaune* | 057-0461-11 | 057-0462-21 | M 15570-12 | 6,40 to/*à* 8,00 |
| 097-0140-20 | Red/*Rouge* | 057-0461-11 | 057-0462-21 | M 15570-20 | 4,00 to/*à* 5,50 |
| 097-0140-20 | Red/*Rouge* | 057-0461-11 | 057-0462-21 | M 15570-20 | 4,00 to/*à* 5,50 |
| 097-0139-16 | Blue/*Bleu* | 057-0461-11 | 057-0462-21 | M 15570-16 | 6,40 to/*à* 8,00 |
| 097-0139-16 | Blue/*Bleu* | 057-0461-11 | 057-0462-21 | M 15570-16 | 6,40 to/*à* 8,00 |
| 097-0139-16 | Blue/*Bleu* | 057-0461-11 | 057-0462-21 | M 15570-16 | 6,40 to/*à* 8,00 |
| 097-0139-20 | Red/*Rouge* | 057-0461-11 | 057-0462-21 | M 15570-20 | 4,00 to/*à* 5,50 |
| 097-0139-20 | Red/*Rouge* | 057-0461-11 | 057-0462-21 | M 15570-20 | 4,00 to/*à* 5,50 |
| 097-0140-16 | Blue/*Bleu* | 057-0461-11 | 057-0462-21 | M 15570-16 | 6,40 to/*à* 8,00 |
| 097-0139-16 | Blue/*Bleu* | 057-0461-11 | 057-0462-21 | M 15570-16 | 6,40 to/*à* 8,00 |
| 097-0138-12 | Yellow/*Jaune* | 057-0461-11 | 057-0462-21 | M 15570-12 | 6,40 to/*à* 8,00 |
| 097-0139-20 | Red/*Rouge* | 057-0461-11 | 057-0462-21 | M 15570-20 | 4,00 to/*à* 5,50 |
| 097-0140-16 | Blue/*Bleu* | 057-0461-11 | 057-0462-21 | M 15570-16 | 6,40 to/*à* 8,00 |
| 097-0138-12 | Yellow/*Jaune* | 057-0461-11 | 057-0462-21 | M 15570-12 | 6,40 to/*à* 8,00 |

## Quadrax contacts / Contacts quadrax

### For arrangements 18-02, 20-04 and 28-06 only / *Pour les arrangements 18-02, 20-04 et 28-06 uniquement*

| CONTACT KIT (CONTACTS + SLEEVE) / *KIT CONTACT (CONTACTS + MANCHON)* | | | | | TOOLS / *OUTILLAGES* | |
|---|---|---|---|---|---|---|
| Arrangements *Arrangements* | Com. part number *Référence com* | Type *Genre* | Size *Taille* | For size 24 contacts *Pour les contacts taille 24* | For contact body *Pour le corps de contact* | *Extraction* |
| 18-02 | 182-0611-08<br>182-0612-08 | P<br>S | 8 | M22520/2-01 + K709 | M22520/5-01<br>M22520/5-45B | 025-0711-06 |
| 20-04 | 182-0611-08<br>182-0612-08 | P<br>S | 8 | M22520/2-01 + K709 | M22520/5-01<br>M22520/5-45B | 025-0711-06 |
| 28-06 | 182-0611-08<br>182-0612-08 | P<br>S | 8 | M22520/2-01 + K709 | M22520/5-01<br>M22520/5-45B | 025-0711-06 |

## **Thermocouple contacts** / *Contacts thermocouples*

| CONTACTS | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Commercial part number *Référence Commerciale* | Type *Genre* | Size *index Taille* | Old *Part number Ancienne Réference* | MIL | EN | Color code *Code couleur* 1 | 2 | 3 | ind. | Marking *Repère* | Observation |
| 006-1186-20<br>006-1187-20 | P<br>S | 20 | 006-1131-20A<br>006-1134-20A | - | - | Red<br>Rouge | Red<br>Rouge | - | Yellow<br>Jaune | Ch | Ch |
| 006-1188-20<br>006-1189-20 | P<br>S | 20 | 097-0173-20<br>097-0036-20 | - | - | Red<br>Rouge | Red<br>Rouge | - | Noir<br>Black | Al | Al |
| 006-1131-20<br>006-1134-20 | P<br>S | 20 | 0641-14-2001<br>0603-16-2001 | - | - | Black<br>Noir | - | - | - | Ch | Ch |
| 006-1132-20<br>006-1133-20 | P<br>S | 20 | 0641-15-2001<br>0603-15-2001 | - | - | Orange<br>Orange | - | - | - | Al | Al |
| 025-0402-20<br>025-0403-20 | P<br>S | 20 | - | - | - | Violet<br>Purple | Red<br>Rouge | - | Noir<br>Black | Al | ■ |
| 025-0404-20<br>025-0405-20 | P<br>S | 20 | - | - | - | Violet<br>Purple | Red<br>Rouge | | Yellow<br>Jaune | Ch | ■ |
| 006-0982-16<br>097-0037-16 | P<br>S | 16 | - | - | - | - | - | - | - | Ch | Ch |
| 006-0983-16<br>097-0036-16 | P<br>S | 16 | 097-0173-16<br>097-0175-16 | - | - | - | - | - | - | Al | Al |

■ Standard barrel is the enlarged one. *Le fût standard est un fût agrandi.*

| CABLES | | SEALING PLUG / *OBTURATEUR* | | CRIMPING TOOL / *PINCE A SERTIR* | | INSERTION AND EXTRACTION TOOL *OUTIL DE MONTAGE ET DE DEMONTAGE* | |
|---|---|---|---|---|---|---|---|
| | | MIL | | | | Wired contacts *Contacts câblés* | |
| *Section mini - max.* mm² | *AWG Wire Taille* | *Part number Référence* | *Color Couleur* | *Part number Référence* | *Pilot stop Butée* | Insertion | Extraction |
| 0,21 - 0,60 | 24 - 20 | 097-0140-20 | Red/*Rouge* | M 22520/1-01 | M 22520/1-02 | M 15570-20 | M 15570-20 |
| 0,21 - 0,60 | 24 - 20 | 097-0140-20 | Red/*Rouge* | M 22520/1-01 | M 22520/1-02 | M 15570-20 | M 15570-20 |
| 0,21 - 0,60 | 24 - 20 | 097-0140-20 | Red/*Rouge* | M 22520/1-01 | M 22520/1-02 | M 15570-20 | M 15570-20 |
| 0,21 - 0,60 | 24 - 20 | 097-0140-20 | Red*Rouge* | M 22520/1-01 | M 22520/1-02 | M 15570-20 | M 15570-20 |
| 0,38 - 0,93 | 22 - 18 | 097-0140-20 | Red/*Rouge* | M 22520/1-01 | M 22520/1-02 | M 15570-20 | M 15570-20 |
| 0,38 - 0,93 | 22 - 18 | 097-0140-20 | Red/*Rouge* | M 22520/1-01 | M 22520/1-02 | M 15570-20 | M 15570-20 |
| 0,60 - 1,34 | 20 - 16 | 097-0139-16 | Blue/*bleu* | M 22520/1-01 | M 22520/1-02 | M 15570-16 | M 15570-16 |
| 0,60 - 1,34 | 20 - 16 | 097-0139-16 | Blue/*bleu* | M 22520/1-01 | M 22520/1-02 | M 15570-16 | M 15570-16 |

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