DEUTSCH

901 Series



Advantages

For harsh climatic and mechanic environement.

Markets & Programs

- Marine

Technical characteristics

Shell	Sealing	:	Aluminium alloy, coupling ring , Marine bronze UA9 NFe
	Hermetic	:	Stainless steel, Anti-couple, tin finish
Insert	Sealing	:	Thermosetting resin, silicone elastomer
	Resistance	:	60 to 1000 bars following type
Contact	Sealing	:	Crimp type, gold over nickel
	Hermetic	:	Soldered type, gold as per MIL-C 45204
durability		:	500 mating and unmating opera tions

Climatical characteristics

Temperature range	:	- 55° C to + 125° C
Thermal shock	:	5 cycles from to -55° C to + 125° C
Sealing	:	Less than 16cm³/hour under a 2,1 bar differential presssure

Electrical characteristics

Maximum current	:	7,5 A. to 46 A.
Allowed wire cross section:		0,22 mm² to 10 mm²
Withstanding voltage	:	At sea level Service 1 - 1500 V eff. 50 Hz Service 2 - 1000 V eff. 50 Hz
Insulation resistance	:	≥ at 5000 MΩ to 25° C and 65 % HR

Avantages

Pour environnement mécanique et climatique sévère.

Marchés & Programmes

- *La marine.*

Caractéristiques techniques

Boîtier	*Etanche*	:	*Alliage d'aluminum, bague de verrouillage, bronze "Marine" UA9 NFe*
	Hermétique	:	*Acier inoxydable, Anti-couple, finition étamage*
Isolant	*Etanche*	:	*Résine thermodurcissable, élastomère de silicone*
	Tenue	:	*60 à 1000 bars selon type*
Contact	*Etanche*	:	*A sertir, or sur nickel*
	Hermétique	:	*A souder, or selon MIL-C 45204*
Endurance		:	*500 cycles complets de verrouillage et déverrouillage*

Caractéristiques climatiques

Température d'utilisation:		*- 55° C à + 125° C*
Choc thermique	:	*5 cycles de - 55° C à + 125° C*
Etanchéité	:	*Fuite inférieure à 16 cm³/h sous 2,1 bar de pression (connecteur verrouillé.*

Caractéristiques électriques

Intensité par contact	:	*De 7,5 A. à 46 A. max.*
Section câble admissible:		*0,22 mm² à 10 mm²*
Tension de tenue	:	*Au niveau de la mer* *Service 1 - 1500 V eff. 50 Hz* *Service 2 - 2500 V eff. 50 Hz*
Résistance d'isolement :		*≥ à 5000 MΩ à 25° C et 65 % HR*

Shell type
Backshell : R
Straight armor braid overall termination : RT
Elbowed armor braid overall termination : CT
Potting cup for thermo-shrink sleeve : ET
Adaptor for straight or elbowed light-weight cable clamp : RA
Elbowed shield terminating device : CS
Adaptor fo heavy duty cable clamp : RD
Type de raccord
Ecrou arrière : R
Reprise de tresse armure droite : RT
Reprise de tresse armure coudée : CT
Raccord potting pour coiffe thermorétractable : ET
Adaptateur pour serre-câble droit ou coudé allégé : RA
Reprise de tresse simple coudée : CS
Adaptateur pour serre-câble droit renforcé : RD

Index for contacts
Indice pour contacts

Type de contact Contact type	Indice Index
Size / *Taille* 20 - 16 - 12 - coax standard	Sans/*Without*
Coax according to used cable *Coax selon câble utilisé*	1 - 5 - F1 - F5 - F6 - T1 - T2
Size / *Taille* 8, à souder/*solder type*	8
Size / *Taille* 8 crimp type / *à sertir* (cable size /*taille* 10)	87
Size / *Taille* 8 crimp type / *à sertir* (cable size /*taille* 8)	88

Special modifications
090 : Connector less contact
1 A : Connector less backshell
Modifications spéciales
090 : Connecteur livré sans contact
1 A : Connecteur livré sans écrou arrière

Contact type
P : Male contact
S : Female contact
Type de contact
P : Contact mâle
S : Contact femelle

Taille du boîtier
Shell size
07 - 12 - 19 - 27 - 37 - 61 - 121

Connector type
Type de connecteur

901 - 20 RT 2 19 - 2 P N 1 T ***

Arrangements

Thermo-shrink sleeve
For a thermo-shrink sleeve in conformance with at AGB/T 538, specify index T
Gaine thermorétractable
Pour obtenir une gaine thermoré-tractable, conforme à AGB / T 539, préciser l'indice T

Key orientation of man key
N : Normal
Détrompage angulaire de la clé principale
N : Normal

Shell type
Plug : 20
Single hole mounting receptacle with effective lock washer : 21
4 holes mounting receptacle without accessory possibility : 24
Single hole mounting receptacle, less lock washer : 26
4 holes mounting receptacle : 92
Type de boîtier
Fiche : 20
Embase par écrou avec ergo anti-rotation : 21
Embase à fixation par 4 vis sans possibilité d'accessoire : 24
Embase à fixation par écrou sans ergot anti-rotation : 26
Embase à fixation par 4 vis : 92

Accessory index for armored cables
Only available for accessories, type RT - CT
Indice du raccord pour câbles armés
Valable uniquement pour racccord du type RT - CT

Index Indice	Shell sizes/Tailles boîtiers							
	07	12	19	27	37	48	61	121
1	9 - 12,5	12,5 - 14,5	14,5 - 16,5	17 - 19	18,5 - 20,5	20,5 - 25	22 - 24	22 - 24
2	12,5 - 15	14,5 - 19	16,5 - 20	19 - 23	20,5 - 25	25 - 31	24 - 31	24 - 31
3	15 - 16,5		20 - 22	23 - 28	25 - 31		31 - 38,5	31 - 38

For non-armored cable, please consut us. ***Pour câbles non armés, nous consulter.***

Male insert viewed from front face / Vu face avant isolant mâle.



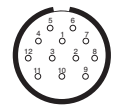
Disposition 07-0
7 contacts size 20
A2



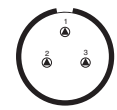
Disposition 07-93
3 contacts size 16
A3



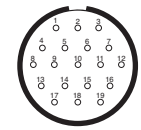
Disposition 7-94
3 contacts size 16
A1



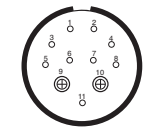
Disposition 12-0
12 contacts size 20
B1



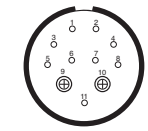
Disposition 12-93
3 contacts size 12
B4



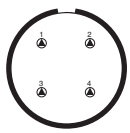
Disposition 19-0
19 contacts size 20
C1



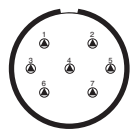
Disposition 19-1 *
1 contacts size 8



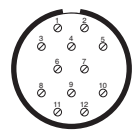
Disposition 19-2
9 contacts size 20
2 contacts size 8



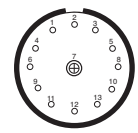
Disposition 19-4
4 contacts size 12



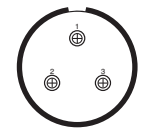
Disposition 19-7
7 contacts size 12



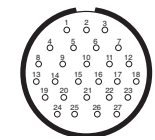
Disposition 19-12
12 contacts size 16
C3



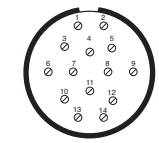
Disposition 19-91
12 contacts size 20
1 contacts size 8



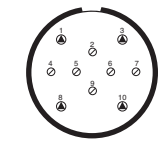
Disposition 19-93
3 contacts size 8
C5 - Size 8
C6 - 50 Ω
C7 - 75 Ω



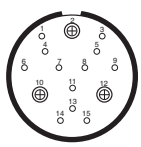
Disposition 27-0
27 contacts size 20



Disposition 27-2
14 contacts size 16



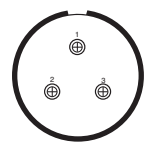
Disposition 27-8 *
6 contacts size 16
4 contacts size 12



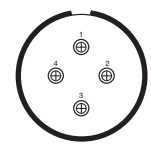
Disposition 27-13
12 contacts size 20
3 contacts size 8



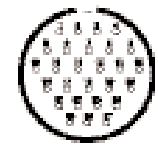
Disposition 27-25 *
12 contacts size 20
5 contacts size 16
1 contacts size 12



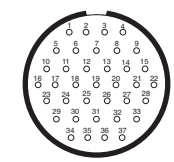
Disposition 27-93 *
3 contacts size 8



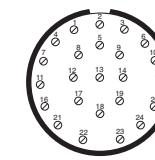
Disposition 27-94 *
4 contacts size 8



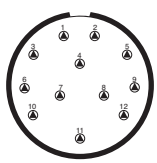
Disposition 27-927
27 contacts size 20
D1



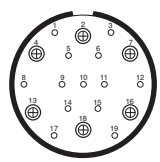
Disposition 37-0
37 contacts size 20
E1



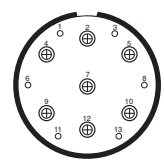
Disposition 37-2
24 contacts size 16



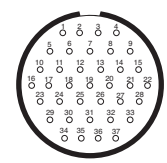
Disposition 37-3
12 contacts size 12



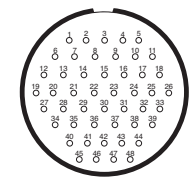
Disposition 37-19
13 contacts size 20
6 contacts size 8



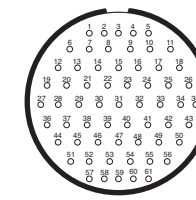
Disposition 37-27
6 contacts size 20
7 contacts size 8
E6 - 50 Ω
E7 - 75 Ω



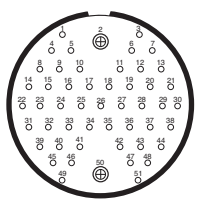
Disposition 37-30 *
20 contacts size 20
4 contacts size 8



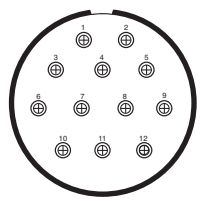
Disposition 48-0 *
48 contacts size 20
F1



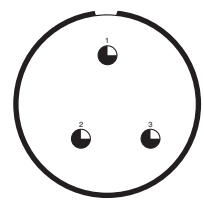
Disposition 61-0
61 contacts size 20
G1



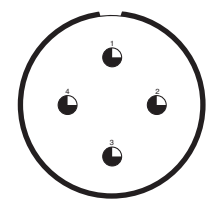
Disposition 61-5
49 contacts size 20
2contacts size 8



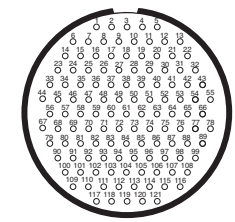
Disposition 61-21
12 contacts size 8
G6 - 50 Ω



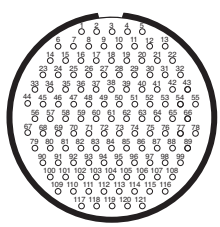
Disposition 61-903 *
3 contacts size 4



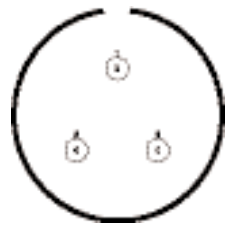
Disposition 61-904 *
4 contacts size 4



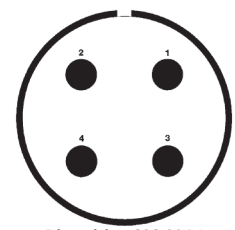
Disposition 121-0 *
121 contacts size 20



Disposition 121-91 *
91 contacts size 20



Disposition 121-903 *
3 contacts size 0



Disposition 121-904 *
4 contacts size 0

* *Not available in hermetic version, please consult us. Non disponibles en hermétique, nous consulter.*

A2 - A3 at/à E6 - E7 : *In accordance with ST 538 AGB/T. Correspondance à ST 538 AGB/T.*

Accessories / *Accessoires*

R Nut
Ecrou arrière

Elbowed cable clamp *
*Serre-câble coudé **

RA Adaptator for light-weight accessory / *Adaptateur pour accessoire allégé.*

Straight cable clamp *
*Serre-câble droit **

RT Straight armor braid overall termination / *Reprise de tresse droite*

CT Elbowed armor braid overall termination / *Reprise de tresse coudée*

RD Adaptator por heavy duty accessory
Adaptateur pour accessoire renforcé

CS Elbowed shield terminating device
Reprise de tresse coudée courte

Receptacles / *Embases*

21 Round nut box mounting
Collerette ronde fixation par écrou

92 4 screws round nut box mounting / *Collerette ronde fixation par 4 vis*

24 4 screws round nut box mounting / *Collerette ronde fixation par 4 vis*

Hermetical receptacles / *Embases hermétiques*

H 21 Round nut box mounting
Collerette ronde fixation écrou

Sealing cap * / *Capuchon **

For receptacle
Pour embase

Plug / *Fiche*

Sealing cap * / *Capuchon **

For plug
Pour fiche

Hermetic TBF / *Traversée de cloison hermétique*

H 41 Round nut box mounting / *Colerette ronde fixation écrou*

Accessories / *Accessoires*

R Nut
Ecrou arrière

Elbowed cable clamp *
*Serre-câble coudé **

RA Adaptator for light-weight accessory / *Adaptateur pour accessoire allégé.*

Straight cable clamp *
*Serre-câble droit **

RT Straight armor braid overall termination / *Reprise de tresse droite*

CT Elbowed armor braid overall termination / *Reprise de tresse coudée*

RD Adaptator por heavy duty accessory
Adaptateur pour accessoire renforcé

CS Elbowed shield terminating device
Reprise de tresse coudée courte

* Part-Number, consult us. *Référence, nous consulter.*

Connecteurs Electriques Deutsch

17, rue Lavoisier Z.I. n° 2 B.P. 117 - 27091 EVREUX CEDEX 09 FRANCE - Tél.: +33 (0)2 32 23 57 00
Fax : +33 (0)2 32 23 58 00 - E-mail : ced@deutsch.net - www.deutsch.net

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TE Connectivity:

2008571-3 2132781-3 ROX9J120R ROX9J4K3 1-316080-2 5174225-5 MPT100C8K2F T4112401051-000
173796-E 7-2178711-4 2149966-1 967116-2 322335 539635-1 ROX9J100R SMF3100KJT 1-917659-5
SC30R33KT 1801174-1 320552 336330-1 363549-000 828801-6 SMA-A0102FTDL10K 1622820-6
641763-1 ROX9J160R ROX9J2K4 ROX9J820R 1-350945-0