



SERIE 3MS & 3RB

3MS & 3RB Series

PROFILO AZIENDALE COMPANY PROFILE

Commtes, nata nel 1997, è una Società interamente a capitale italiano attiva nel settore della connessione elettrica.

Per anni partner operativo di una azienda leader nel settore, per la quale ha prodotto cablaggi di ogni tipo, ha in seguito deciso di entrare sul mercato come produttore di connettori.

L'esperienza accumulata è principalmente visibile nelle soluzioni tecnico/economiche adottate per ridurre i tempi di esecuzione del cablaggio.

La Società, attenta da sempre alla preservazione dell'ambiente, evitando l'utilizzo di sostanze nocive e inquinanti nelle fasi produttive, è dotata ora di un impianto fotovoltaico che copre interamente il suo fabbisogno energetico, contribuendo così alla riduzione di emissioni di CO₂ in atmosfera.

Commtes is an entirely Italian Company born in 2001 operating in the industry of electrical connection.

For many years has been a working partner of a leading company in the connection field manufacturing for them any type of cable harnessing and has decided then to enter into the market as manufacturer of connectors.

The experience achieved is mostly evident in the technical/economical solutions adopted to reduce the execution time of the cable harnessing.

The Company has always paid attention to the environment preservation, avoiding the usage of toxic and polluting substances during the production phases. 3CV is now equipped with a photovoltaic system that covers entirely its energy needs contributing in this way to the reduction of CO₂ in the atmosphere.

Indice Contents

Profilo Aziendale.....	Pag.2
Company Profile	
Descrizione Generale.....	Pag.3
General Description	
Caratteristiche Tecniche.....	Pag.4
Technical Characteristics	
Classi di Impiego.....	Pag.6
Connector Classes	
Forze di Innesto/Disinnesto Contatti e Dimensioni.....	Pag.7
Engagement and Disengagement Force Between Contacts and Dimensions	
Disposizione Contatti e Rotazioni Inserti.....	Pag.10
Contact Arrangements and Insert Rotation	
Dimensioni Pannello.....	Pag.21
Panel Dimensions	
Classi e Configurazioni.....	Pag.23
Styles and Classes	
Tipi di Connettori.....	Pag.24
Connector Shell Styles	
Classi.....	Pag.36
Classes	
Serracavo e Bussola in Neoprene.....	Pag.39
Cable Clamp and Neoprene Sleeve	
Guarnizioni.....	Pag.40
Receptacle Sealing Gasket	
Tappi.....	Pag.41
Caps	
Come Ordinare.....	Pag.43
How To Order	

L'azienda si riserva di effettuare modifiche e variazioni al presente catalogo senza preavviso.
The company reserves making modifications and changes to the present catalogue without notice.
Ediz. / Rev. 01-2021

DESCRIZIONE GENERALE

GENERAL DESCRIPTION

La serie 3MS è realizzata in accordo con la norma MIL-C-5015 G.

Risponde ai requisiti della stessa per quel che riguarda materiali, prestazioni e accoppiabilità con prodotti di altri costruttori.

Questi connettori circolari impiegati nel settore militare, oggi sono ampiamente usati anche nella industria per la loro robustezza e per facilità di reperibilità.

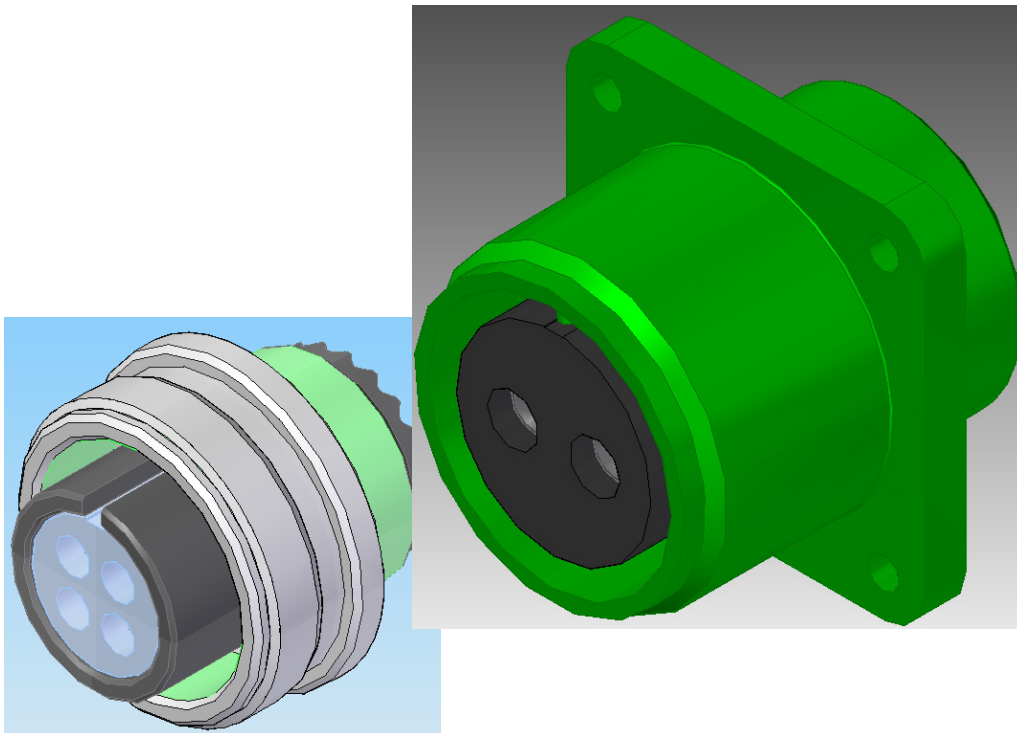
Una vasta serie di accessori ne permette l'utilizzo in ogni condizione ambientale, mentre un numero molto elevato di configurazioni di inserti isolanti copre le esigenze di ogni utilizzatore.

3MS series connectors have been designed to fully conform to all material and performance requirements of MIL-C-5015G specification.

Performance, reliability and interchangeability with products of other manufactures is guaranteed.

3MS circular connectors, designed and used in the military market also have wide applications in today's industry where strength, reliability and ease of availability in other countries is essential.

An extensive range of accessories allows these connectors to operate in any environments. A comprehensive range of contact arrangements covers every need of the customer.



CARATTERISTICHE TECNICHE

TECHNICAL CHARACTERISTICS

CARATTERISTICHE E SPECIFICHE

PRODUCT FEATURES AND SPECIFICATIONS

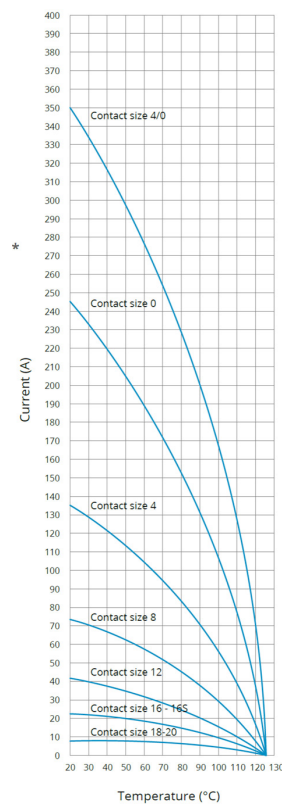
Caratteristiche Product Features	Descrizione Description
Applicazioni Applications	Apparecchiature elettroniche industriali, veicoli, sensori, motori brushless. Factory equipment, vehicles, sensors, brushless motors, telecommunication.
Sistema Accoppiamento Mating System	3MS: accoppiamento a vite. 3RB accoppiamento abaiionetta con 3 punti di innesto. 3MS: threaded mating system. 3RB: Three pin bayonet mating system
Parti Metalliche Shell Construction	Lega di alluminio, acciaio inox, lega di rame. Aluminum, stainless steel, copper alloy.
Trattamento Superficiale Shell Surface Coatings	Nichel brillante (RoHS), Nichel chimico (RoHS), Cadmio, Zinco-Cobalto. Bright Nickel (RoHS), electroless Nickel (RoHS), Cadmium, Zinc-Cobalt.
Temperatura Di Lavoro Temperature Tolerance	I connettori sono testati tra -55°C to 125°C (in relazione al trattamento superficiale). Connectors are tested -55°C to 125°C (in relation to shell surface coatings).
Contatti Contacts	Crimpare, saldare e PCB. General duty crimp, solder contacts and PCB.
Trattamento Contatti Contact Plating	Argento (Oro su nichel alternative su richiesta del cliente). Silver plating (Gold over Nickel upon a customer request).
Dimensione Conduttore Wire Gage	Contatti supportano cavi size AWG16 - AWG20. Contact support wire sizes AWG16- AWG20.
Materiale Inserto Insert Material	Gomma sintetica (neoprene) ad elevato isolamento. Resilient high-insulation synthetic rubber (neoprene).
EMI Schermatura EMI Shielding	Sono disponibili connettori e accessori di schermatura EMI per tutte le configurazioni. Shield termination backshell accessories are available for all plug configurations.
Polarizzazione Polarization	1 chiavi di accoppiamento. Polarizzazione tramite rotazione dell'isolante. 1 mating key. Polarization through insert rotation.
Accoppiabilità Mating	Accoppiabilità con tutti i produttori. Mating with all contractors.

ISOLAMENTO (resistenza d'isolamento min: $\geq 5 \times 10^3 \text{ M}\Omega$)
SERVICE RATING (Min insulating resistance: $\geq 5 \times 10^3 \text{ M}\Omega$)

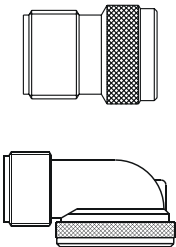
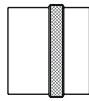
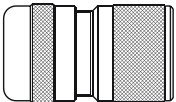
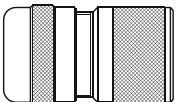
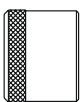
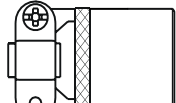
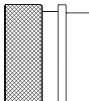
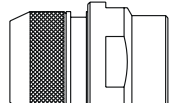
Classe Class	Tensione di Lavoro CC Operating Voltage DC	Tensione di Lavoro CA Operating Voltage AC	Tensione di Prova CA Test Voltage AC
INST.	250 V	200 V	1000 V
A	700 V	500 V	2000 V
D	1250 V	900 V	2800 V
E	1750 V	1250 V	3500 V
B	2450 V	1750 V	4500 V
C	4200 V	3000 V	7000 V

CONTATTI
CONTACTS

Tipo Contatto Contact Size	Corrente Di Lavoro a 20°C Rated Current at 20°C	Resist. Contatto Max. Max Contact Resist.	Sezione Filo Wire Size
18	10A	12.0 m Ω	18 ÷ 26 AWG
16	22A	6.0 m Ω	16 ÷ 22 AWG
12	41A	3.0 m Ω	12 ÷ 14 AWG
8	73A	1.0 m Ω	8 ÷ 10 AWG
4	135A	0.5 m Ω	4 ÷ 6 AWG
0	245A	0.3 m Ω	0 ÷ 2 AWG
4/0	350A	0.2 m Ω	4/0 AWG



CLASSE DI IMPIEGO CONNECTOR CLASSES

	A: Per impiego generale, con uscite cavo dritto ed a 90°, utilizzabile con serracavo MS3057 (da ordinare a parte). For general duty applications, with cable exit straight and 90°, suitable for use with MS3057 / cable clamps (ordered separately). R: Come per classe A, con aggiunta di grommet isolante. Same as class A, it includes a sealing grommet.
	A...PG / A...M: Connettore con raccordo per serracavi PG o con filetto metrico, plastici o metallici conformi a DIN40430. Connector with straight PG or metric threaded backshell for attachment of PG cable glands in compliance with DIN 40430.
	A...QA: Connettore con serracavo di rapido montaggio. Per maggior tenuta ambientale può essere fornito con apposite guarnizioni (E..QA). Connector with backshell of quick assembly. To increase environmental protection is provided with dedicated sealing gaskets (E..QA).
	A...QAS: Connettore con serracavo di facile montaggio dotato di sistema per riporto calza schermo. Per maggior tenuta ambientale può essere fornito con apposite guarnizioni (E..QAs). Quick assembly suitable for shielded cables. To increase environmental protection is provided with dedicated sealing gaskets (E..QAs).
	E: Adatta per l'impiego con conduttori singoli, è provvista di uno zoccolo in gomma che isola singolarmente i contatti e conduttori sul punto di saldatura. Suitable for use with single wires. Environmental sealing provided through insert seal and grommet seal to insulate the contacts and wires on a welding point.
	F: Equivalente alla classe E, completata con un serracavo di ingombri ridotti ed una busola di gomma che protegge il cavo. Same as class E, but with reduced cable clamp and rubber sleeve for cable protection.
	G: Adatto per l'impiego con fili singoli o cavi inguainati, utilizzabile con preformati termostringenti e/o per overmolding. Suitable for single wire or sheathed cables, used with preformat shrink and/or overmolding.
	M: Adatto per l'impiego con fili singoli o cavi inguainati schermati, utilizzabile con preformati termostringenti e/o per overmolding. Suitable for single wire or sheathed shielded cables, used with preformat shrink and/or overmolding.

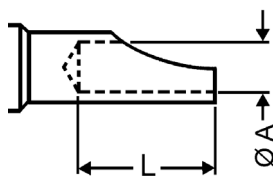
FORZE DI INNESTO E DISINNESTO DEI CONTATTI

ENGAGEMENT AND DISENGAGEMENT FORCE BETWEEN CONTACTS

Size Contatto Contact Size	Innesto in N. Max(*) Engagement(*) in N. Max	Disinnesto in N. Max(*) Disengagement(*) in N. Max
20	1.8	0.3
18	2.4	0.6
16-16S	5	1
12	7.5	1.5
8	15	3
4	20	4
0	42.5	8.5

DIMENSIONE CONTATTI A SALDARE

SOLDER CONTACT DIMENSIONS



CONTATTO MASCHIO A SALDARE - MALE CONTACT SOLDER

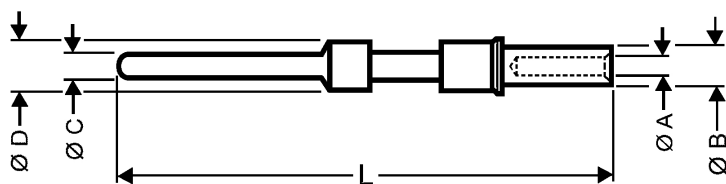
Size	P/N	Ø A	L	AWG Max.	Max. wire section
16S	B001-16SPS	1.8	5.5	18 ÷ 16	1 ÷ 1.5 mmq
16	B001-16PS	1.8	7	18 ÷ 16	1 ÷ 1.5 mmq
12	B001-12PS	2.9	8	12	3 mmq
8	B001-8PS	5.3	12.6	9	8 mmq
4	B001-4PS	8.5	16.5	4	22 mmq
0	B001-0PS	11.5	14	0	53 mmq

Dimensioni in mm / Dimensions in mm

CONTATTO FEMMINA A SALDARE - FEMALE CONTACT SOLDER

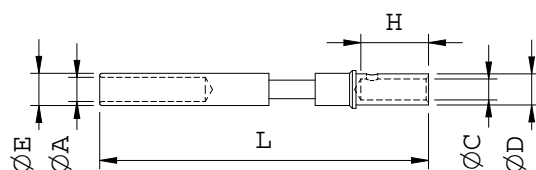
Size	P/N	Ø A	L	AWG Max.	Max. wire section
16S	B001-16SSS	1.8	5.5	18 ÷ 16	1 ÷ 1.5 mmq
16	B001-16SS	1.8	7	18 ÷ 16	1 ÷ 1.5 mmq
12	B001-12SS	2.9	8	12	3 mmq
8	B001-8SS	5.25	12.7	9	8 mmq
4	B001-4SS	8.5	12	4	22 mmq
0	B001-0SS	11.5	14	0	53 mmq

Dimensioni in mm / Dimensions in mm

DIMENSIONE CONTATTI A CRIMPARE
MALE CRIMP CONTACTS


P/N	Size	mmq	AWG	A ^{+0.03}	B ^{±0.02}	C ^{±0.02}	D ^{±0.1}	L ^{±0.1}	H ^{±0.1}
B001-18PC	18	0.15÷0.6	26÷20	1.30	1.93	1.42	2.2	29.60	6.35
B001-16SPC	16S	1÷1.5	18÷16	1.70	2.60	1.58	3.2	26.60	6.35
B001-16SPC-12	16S	0.6	20	1.70	2.60	1.58	3.2	26.60	6.35
B001-16SPC-13	16S	0.15÷0.6	26÷20	1.30	1.93	1.58	3.2	26.60	6.35
B001-16SPC-15	16S	1	18	1.50	2.60	1.58	3.2	26.60	6.35
B001-16SPC-20	16S	2	14	2.00	2.90	1.58	3.2	26.60	6.35
B001-16SPC-26	16S	3	12	2.50	3.80	1.58	3.2	26.60	6.35
B001-16PC	16	1÷1.5	18÷16	1.70	2.60	1.58	3.2	31.75	6.35
B001-16PC-08	16	0.15÷0.2	26÷24	0.85	1.55	1.58	3.2	31.75	6.35
B001-16PC-12	16	0.6	20	1.20	2.60	1.58	3.2	31.75	6.35
B001-16PC-13	16	0.15÷0.6	26÷20	1.30	1.93	1.58	3.2	31.75	6.35
B001-16PC-15	16	1	18	1.50	2.60	1.58	3.2	31.75	6.35
B001-16PC-20	16	2	14	2.00	2.90	1.58	3.2	31.75	6.35
B001-16PC-26	16	3	12	2.50	3.80	1.58	3.2	31.75	6.35
B001-12PC	12	3	12	2.50	3.80	2.38	4.8	37.50	8.50
B001-12PC-12	12	0.6	20	1.20	2.60	2.38	4.8	37.50	8.50
B001-12PC-15	12	1	18	1.50	3.40	2.38	4.8	37.50	8.50
B001-12PC-20	12	1÷2	18÷14	2.00	3.80	2.38	4.8	37.50	8.50
B001-12PC-22	12	2.5	12	2.20	3.80	2.38	4.8	37.50	8.50
B001-12PC-30	12	4	-	3.00	4.80	2.38	4.8	37.50	8.50
B001-12PC-38	12	6	-	3.60	4.80	2.38	4.8	37.50	8.50
B001-8PC	8	8	9	4.55	6.80	3.60	7.8	40.70	12.20
B001-8PC-15	8	1	18	1.50	3.40	3.60	7.8	40.70	8.50
B001-8PC-18	8	1÷2	18÷14	1.80	3.80	3.60	7.8	40.70	8.50
B001-8PC-30	8	4	-	3.00	4.80	3.60	7.8	40.70	8.50
B001-8PC-50	8	10	-	5.00	6.80	3.60	7.8	40.70	12.20
B001-4PC	4	22	4	7.10	9.55	5.70	11.0	41.25	12.20
B001-4PC-26	4	3	-	2.50	3.80	5.70	11.0	41.25	8.50
B001-4PC-30	4	4	-	3.00	4.80	5.70	11.0	41.25	8.50
B001-4PC-50	4	10	-	5.00	7.00	5.70	11.0	41.25	12.20
B001-4PC-62	4	16	-	6.20	9.50	5.70	11.0	41.25	12.20
B001-0PC	0	53	0	11.50	14.35	9.05	15.1	44.50	14.00
B001-0PC-45	0	9	8	4.55	6.80	9.05	15.1	44.50	12.20
B001-0PC-78	0	25	-	7.80	9.50	9.05	15.1	44.50	14.00
B001-0PC-107	0	50	-	10.70	14.35	9.05	15.1	44.50	14.00

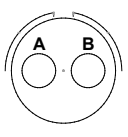
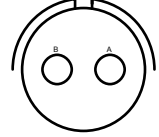
Dimensioni in mm / Dimensions in mm

DIMENSIONE CONTATTI FEMMINA A CRIMPARE
FEMALE CRIMP CONTACTS


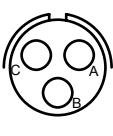
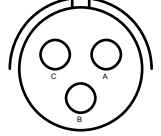
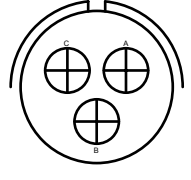
P/N	Size	mmq	AWG	A ^{+0.03}	B ^{±0.02}	C ^{±0.02}	D ^{±0.1}	L ^{±0.1}	H ^{±0.1}
B001-18SC	18	0.15÷0.6	26÷20	1.30	1.93	1.46	2.2	29.60	6.35
B001-16SSC	16S	1÷1.5	18÷16	1.70	2.60	1.65	3.2	26.60	6.35
B001-16SSC-12	16S	0.6	20	1.70	2.60	1.65	3.2	26.60	6.35
B001-16SSC-13	16S	0.15÷0.6	26÷20	1.30	1.93	1.65	3.2	26.60	6.35
B001-16SSC-15	16S	1	18	1.50	2.60	1.65	3.2	26.60	6.35
B001-16SSC-20	16S	2	14	2.00	2.90	1.65	3.2	26.60	6.35
B001-16SSC-26	16S	3	12	2.50	3.80	1.65	3.2	26.60	6.35
B001-16SC	16	1÷1.5	18÷16	1.70	2.60	1.65	3.2	36.50	6.35
B001-16SC-08	16	0.15÷0.2	26÷24	0.85	1.55	1.65	3.2	36.50	6.35
B001-16SC-12	16	0.6	20	1.20	2.60	1.65	3.2	36.50	6.35
B001-16SC-13	16	0.15÷0.6	26÷20	1.30	1.93	1.65	3.2	36.50	6.35
B001-16SC-15	16	1	18	1.50	2.60	1.65	3.2	36.50	6.35
B001-16SC-20	16	2	14	2.00	2.90	1.65	3.2	36.50	6.35
B001-16SC-26	16	3	12	2.50	3.80	1.65	3.2	36.50	6.35
B001-12SC	12	3	12	2.50	3.80	2.48	4.8	37.50	8.50
B001-12SC-12	12	0.6	20	1.20	2.60	2.48	4.8	37.50	8.50
B001-12SC-15	12	1	18	1.50	3.40	2.48	4.8	37.50	8.50
B001-12SC-20	12	1÷2	18÷14	2.00	3.80	2.48	4.8	37.50	8.50
B001-12SC-22	12	2.5	12	2.20	3.80	2.48	4.8	37.50	8.50
B001-12SC-30	12	4	-	3.00	4.80	2.48	4.8	37.50	8.50
B001-12SC-38	12	6	-	3.60	4.80	2.48	4.8	37.50	8.50
B001-8SC	8	8	9	4.55	6.80	3.70	7.8	40.70	12.20
B001-8SC-15	8	1	18	1.50	3.40	3.70	7.8	40.70	8.50
B001-8SC-18	8	1÷2	18÷14	1.80	3.80	3.70	7.8	40.70	8.50
B001-8SC-30	8	4	-	3.00	4.80	3.70	7.8	40.70	8.50
B001-8SC-50	8	10	-	5.00	6.80	3.70	7.8	40.70	12.20
B001-4SC	4	22	4	7.10	9.55	5.80	11.0	41.25	12.20
B001-4SC-26	4	3	-	2.50	3.80	5.80	11.0	41.25	8.50
B001-4SC-30	4	4	-	3.00	4.80	5.80	11.0	41.25	8.50
B001-4SC-50	4	10	-	5.00	7.00	5.80	11.0	41.25	12.20
B001-4SC-62	4	16	-	6.20	9.50	5.80	11.0	41.25	12.20
B001-0SC	0	53	0	11.50	14.35	9.17	15.1	44.50	14.00
B001-0SC-45	0	9	8	4.55	6.80	9.17	15.1	44.50	12.20
B001-0SC-78	0	25	-	7.80	9.50	9.17	15.1	44.50	14.00
B001-0SC-107	0	50	-	10.70	14.35	9.17	15.1	44.50	14.00

Dimensioni in mm / Dimensions in mm

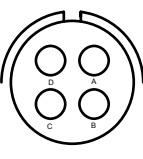
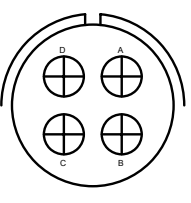
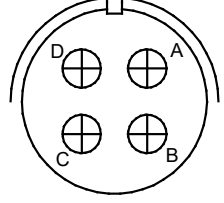
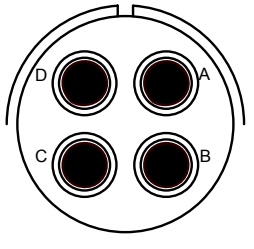
DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

2 CONTATTI 2 CONTACTS		
--	---	---

Arrangement	10SL-4	14S-9
Contact Size	16S	16S
Service Rating	A	A
Polarizations (degrees)	W	70
	X	145
	Y	215
	Z	290

3 CONTATTI 3 CONTACTS			
--	--	--	--

Arrangement	10SL-3	14S-7	16-10
Contact Size	16S	16S	12
Service Rating	A	A	A
Polarizations (degrees)	W	90	90
	X	180	180
	Y	270	270
	Z		

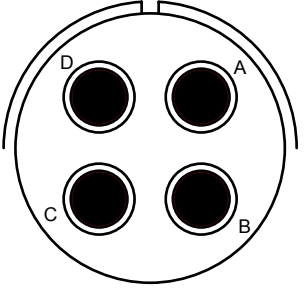
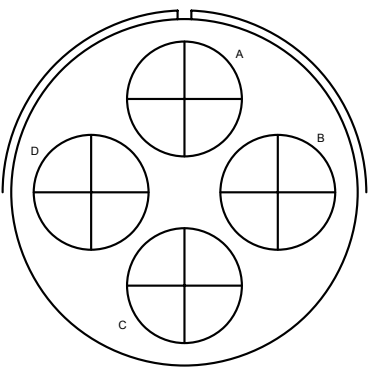
4 CONTATTI 4 CONTACTS				
--	---	---	--	---

Arrangement	14S-2	18-10	20-4	22-22
Contact Size	16S	12	12	8
Service Rating	I	A	D	D
Polarizations (degrees)	W		45	
	X	120	110	110
	Y	240	250	250
	Z			

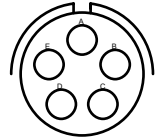
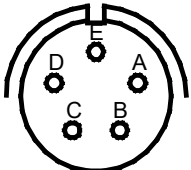
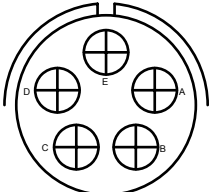
LEGENDA CONTATTI
CONTACT LEGEND



DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

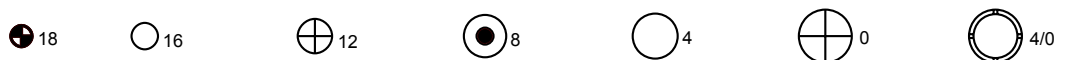
4 CONTATTI 4 CONTACTS	 	

Arrangement		24-22	36-5
Contact Size		8	0
Service Rating		D	A
Polarizations (degrees)	W	45	
	X	110	120
	Y	250	240
	Z		

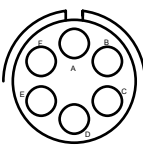
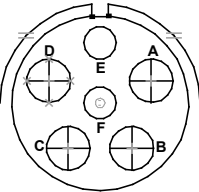
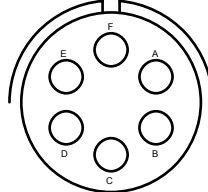
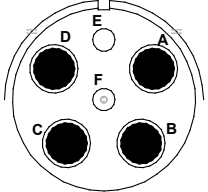
5 CONTATTI 5 CONTACTS	  		

Arrangement		14S-5	16S-8	18-11
Contact Size		16S	16S	12
Service Rating		D	A	A
Polarizations (degrees)	W			
	X	110	170	170
	Y		265	265
	Z			

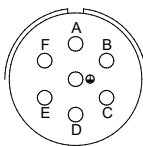
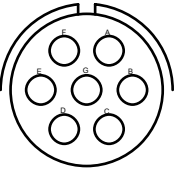
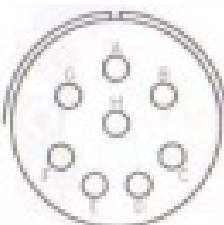
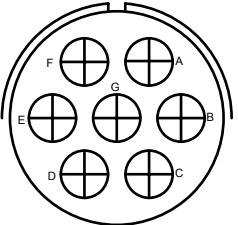
LEGENDA CONTATTI
CONTACT LEGEND



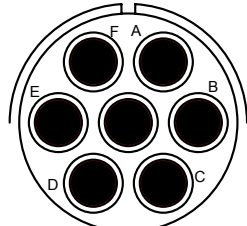
DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

6 CONTATTI 6 CONTACTS				
---------------------------------	---	---	--	---

Arrangement	14S-6	18-06	18-12	24-06
Contact Size	16S	2-16, 4-12	16	2-16, 4-8
Service Rating	I	A	A	D
Polarizations (degrees)	W	90	80	40
	X	180		
	Y			
	Z			320

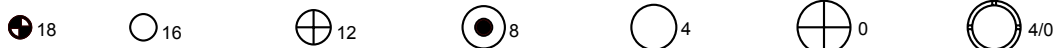
7 CONTATTI 7 CONTACTS				
---------------------------------	--	--	---	--

Arrangement	14S-07	16S-1	20-7	20-15
Contact Size	16S	16S	16	12
Service Rating	I	A	A,B,H,G=D - Bal=A	A
Polarizations (degrees)	W	80	80	80
	X		110	110
	Y		250	250
	Z	280	280	280

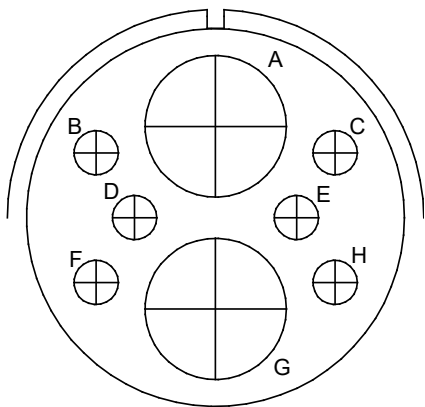
7 CONTATTI 7 CONTACTS	
---------------------------------	---

Arrangement		24-10
Contact Size		8
Service Rating		A
Polarizations (degrees)	w	80
	z	280

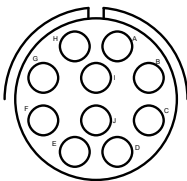
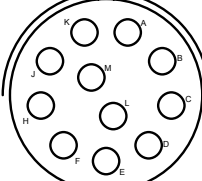
LEGENDA CONTATTI
CONTACT LEGEND



DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

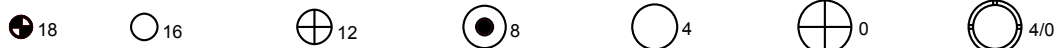
8 CONTATTI 8 CONTACTS	
---------------------------------	--

Arrangement		32-15
Contact Size		6-12, 2-0
Service Rating		D
Polarizations (degrees)	W	35
	X	110
	Y	250
	Z	280

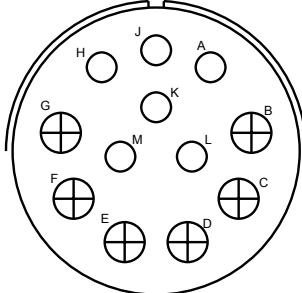
10 CONTATTI 10 CONTACTS		11 CONTATTI 11 CONTACTS	
-----------------------------------	---	-----------------------------------	---

Arrangement		18-1	Arrangement		20-33
Contact Size		16	Contact Size		16
Service Rating		B,C,F,G=A - Bal.=I	Service Rating		A
Polarizations (degrees)	W	70	Polarizations (degrees)	W	80
	X	145		X	110
	Y	215		Y	250
	Z	290		Z	280

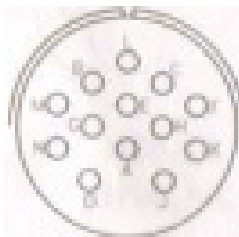
LEGENDA CONTATTI
CONTACT LEGEND



DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

12 CONTATTI 12 CONTACTS	
----------------------------	--

Arrangement	28-9								
Contact Size	6-16, 6-12								
Service Rating	D								
Polarizations (degrees)	<table> <tr> <td>w</td><td>80</td></tr> <tr> <td>x</td><td>110</td></tr> <tr> <td>y</td><td>250</td></tr> <tr> <td>z</td><td>280</td></tr> </table>	w	80	x	110	y	250	z	280
w	80								
x	110								
y	250								
z	280								

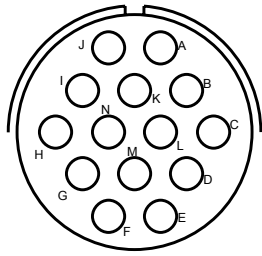
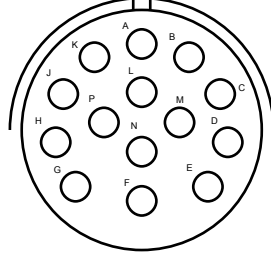
13 CONTATTI 13 CONTACTS	
----------------------------	---

Arrangement	20-11								
Contact Size	16								
Service Rating	I								
Polarizations (degrees)	<table> <tr> <td>w</td><td></td></tr> <tr> <td>x</td><td></td></tr> <tr> <td>y</td><td></td></tr> <tr> <td>z</td><td></td></tr> </table>	w		x		y		z	
w									
x									
y									
z									

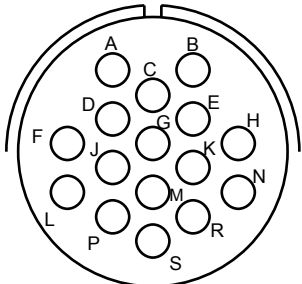
LEGENDA CONTATTI
CONTACT LEGEND



DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

14 CONTATTI 14 CONTACTS	 
----------------------------	---

Arrangement	20-27	22-19
Contact Size	16	16
Service Rating	A	A
Polarizations (degrees)	w	80
	x	110
	y	250
	z	280

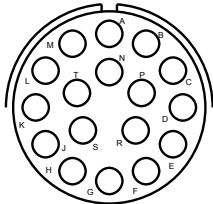
16 CONTATTI 16 CONTACTS	
----------------------------	---

Arrangement		24-5
Contact Size		16
Service Rating		A
Polarizations (degrees)	W	80
	X	110
	Y	250
	Z	280

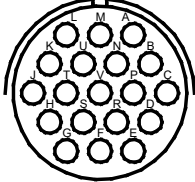
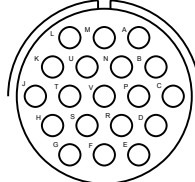
LEGENDA CONTATTI
CONTACT LEGEND



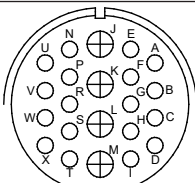
DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

17 CONTATTI 17 CONTACTS	
-----------------------------------	---

Arrangement	20-29
Contact Size	16
Service Rating	A
Polarizations (degrees)	W
	X
	Y
	Z

19 CONTATTI 19 CONTACTS		
-----------------------------------	--	--

Arrangement	20-A48	22-14
Contact Size	16	16
Service Rating	I	A
Polarizations (degrees)	W	80
	X	80
	Y	280
	Z	280

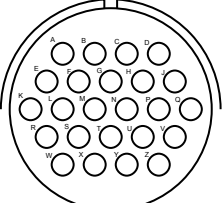
22 CONTATTI 22 CONTACTS	
-----------------------------------	---

Arrangement	28-11
Contact Size	18-16, 4-12
Service Rating	A
Polarizations (degrees)	W
	X
	Y
	Z

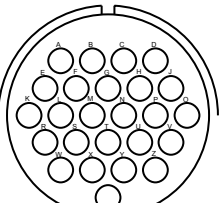
LEGENDA CONTATTI
CONTACT LEGEND



DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

24 CONTATTI 24 CONTACTS	
-----------------------------------	---

Arrangement	24-28
Contact Size	16
Service Rating	I
Polarizations (degrees)	W 80
	X 110
	Y 250
	Z 280

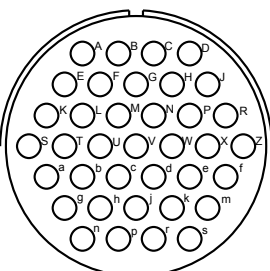
25 CONTATTI 25 CONTACTS	
-----------------------------------	--

Arrangement	24-A25
Contact Size	16
Service Rating	I
Polarizations (degrees)	W 80
	X 110
	Y 250
	Z 280

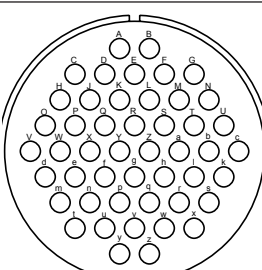
LEGENDA CONTATTI
CONTACT LEGEND



DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

37 CONTATTI 37 CONTACTS	
-----------------------------------	--

Arrangement		28-21
Contact Size		16
Service Rating		A
Polarizations (degrees)	W	80
	X	110
	Y	250
	Z	280

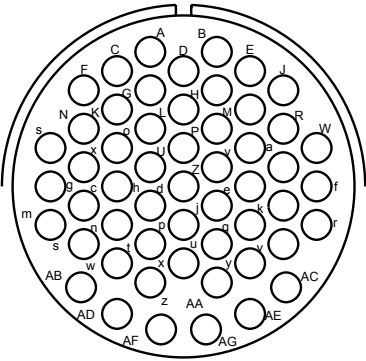
48 CONTATTI 48 CONTACTS	
-----------------------------------	---

Arrangement		36-10
Contact Size		16
Service Rating		A
Polarizations (degrees)	W	80
	X	110
	Y	250
	Z	280

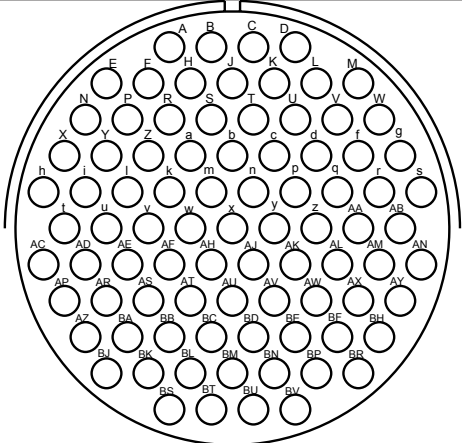
LEGENDA CONTATTI
CONTACT LEGEND



DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)
INSERT ROTATION (front view male insert)

54 CONTATTI 54 CONTACTS	
-----------------------------------	--

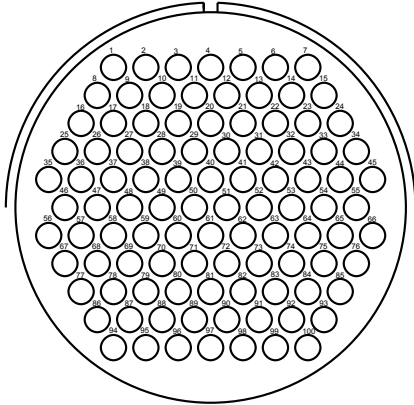
Arrangement		32-22
Contact Size		16
Service Rating		A
Polarizations (degrees)	W	80
	X	125
	Y	235
	Z	280

85 CONTATTI 85 CONTACTS	
-----------------------------------	--

Arrangement		40-56
Contact Size		16
Service Rating		A
Polarizations (degrees)	W	72
	X	144
	Y	216
	Z	288

DISPOSIZIONE CONTATTI (vista anteriore inserto maschio)

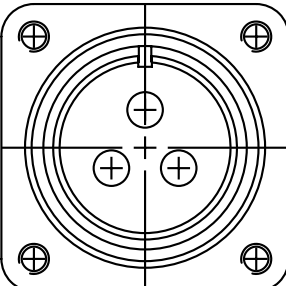
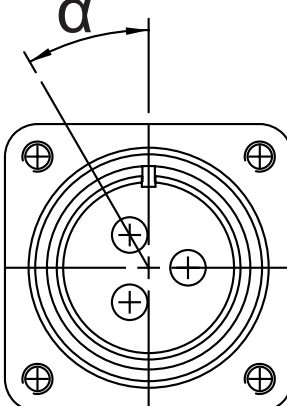
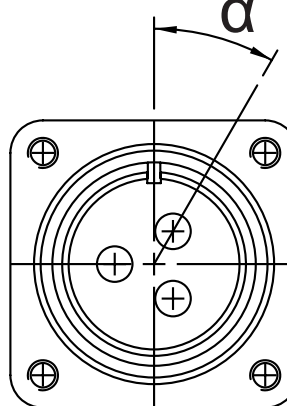
INSERT ROTATION (front view male insert)

100 CONTATTI 100 CONTACTS									
Arrangement	40-A100								
Contact Size	18								
Service Rating	A								
Polarizations (degrees)	<table border="1"> <tr><td>W</td><td></td></tr> <tr><td>X</td><td></td></tr> <tr><td>Y</td><td></td></tr> <tr><td>Z</td><td></td></tr> </table>	W		X		Y		Z	
W									
X									
Y									
Z									

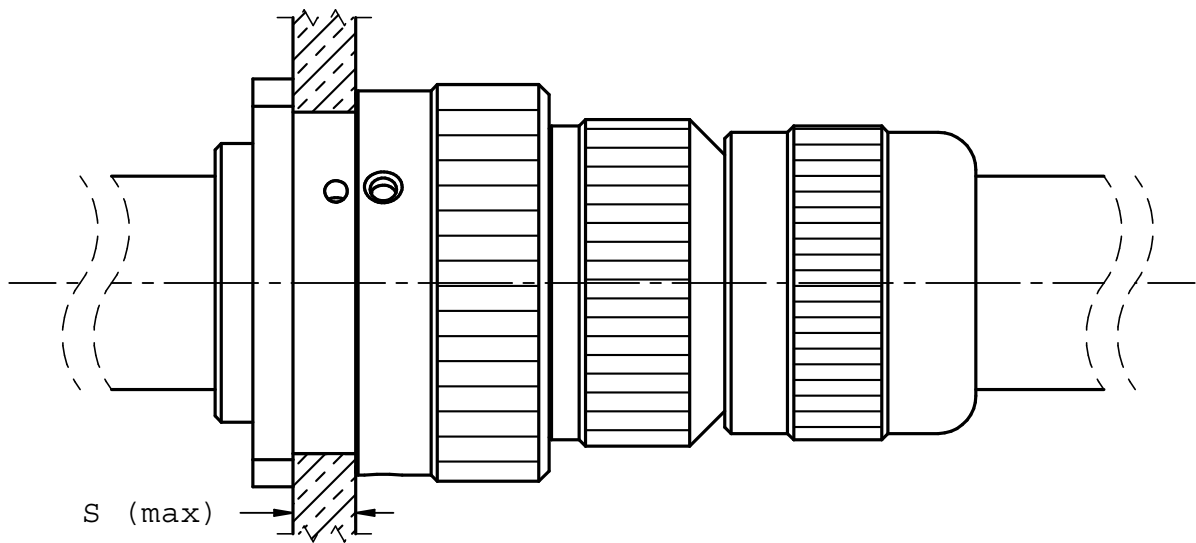
LEGENDA CONTATTI CONTACT LEGEND



ROTAZIONE INSERTI INSERT ROTATION

Posizione normale con contatti maschio Normal position with pin contacts	Posizione ruotata con contatti femmina Alternate position with socket contacts	Posizione ruotata con contatti maschio Alternate position with pin contacts
		

DIMENSIONI PANNELLO PANEL THICKNESS



Dimensione massima pannello per connettori tipo 0, 2 con montaggio posteriore Maximum Panel Thickness for type 0, 2 connectors used for rear mounting

	Size										
	10SL	14S	16/16S	18	20	22	24	28	32	36	40
S	3.7	3.7	3.7	3.7	3.7	3.7	5.25	5.25	6.1	6.1	6

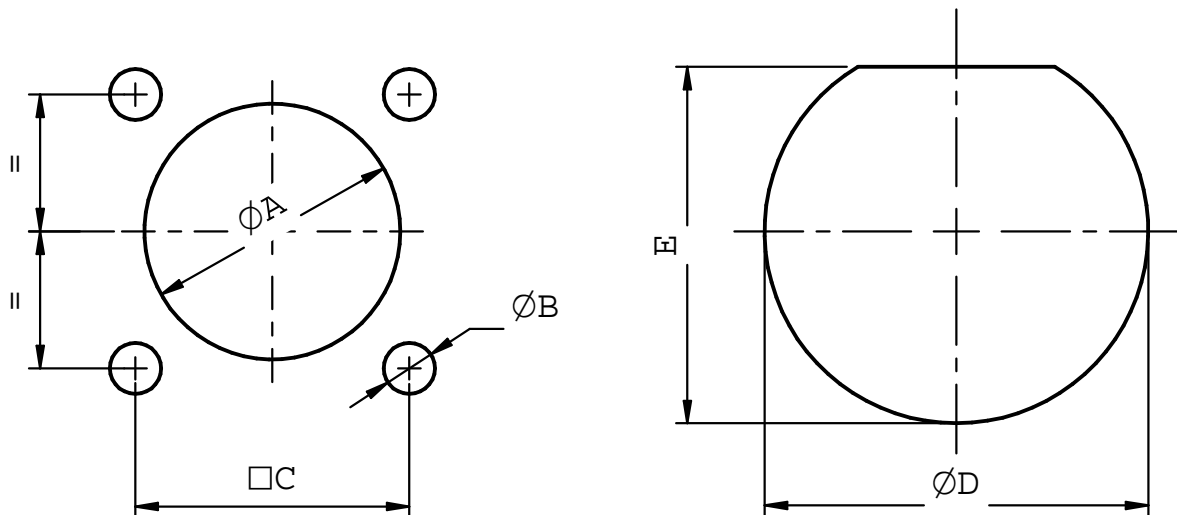
Dimensioni in mm / Dimensions in mm

Dimensione massima pannello per connettori tipo 2PP, 3, 30, 38 con (con viti filettate) Panel Thickness for type 2PP, 3, 30, 38 connectors (with threaded holes)

	Size										
	10SL	14S	16/16S	18	20	22	24	28	32	36	40
S	7.2	7.2	7.2	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5

Dimensioni in mm / Dimensions in mm

DIMENSIONI FORATURA PANNELLO PANEL CUTOUT



DIMENSIONE FORATURA PANNELLO PER CONNETTORI TIPO 0, 2, 26 (MONTAGGIO PANNELLO FRONTALE) PANEL CUTOUT FOR TYPE 0, 2, 26 CONNECTORS (FRONT PANEL MOUNTING)

	Size										
	10SL	14S	16/16S	18	20	22	24	28	32	36	40
ØA	17	20	23	26.5	30.0	33	36	42	48.5	55	61
C ±0.1	18.2	23	24.6	27	29.4	31.8	34.9	39.7	44.5	49.2	55.5
ØB	3.4	3.4	3.4	3.4	3.4	3.4	3.9	3.9	4.5	4.5	4.5

Dimensioni in mm / Dimensions in mm

DIMENSIONE FORATURA PANNELLO PER CONNETTORI TIPO 0PP, 3, 30 (MONTAGGIO PANNELLO POSTERIORE) PANEL CUTOUT FOR TYPE 0PP, 3, 30 CONNECTORS (REAR PANEL MOUNTING)

	Size										
	10SL	14S	16/16S	18	20	22	24	28	32	36	40
ØA	19.1	25.5	28.3	31.7	35.0	38.3	41.8	47.6	54.3	60.5	66.4
C ±0.1	18.2	23	24.6	27	29.4	31.8	34.9	39.7	44.5	49.2	55.5
ØB	4.5	4.5	4.5	4.5	4.5	4.5	4.5	5.5	5.5	5.5	5.5

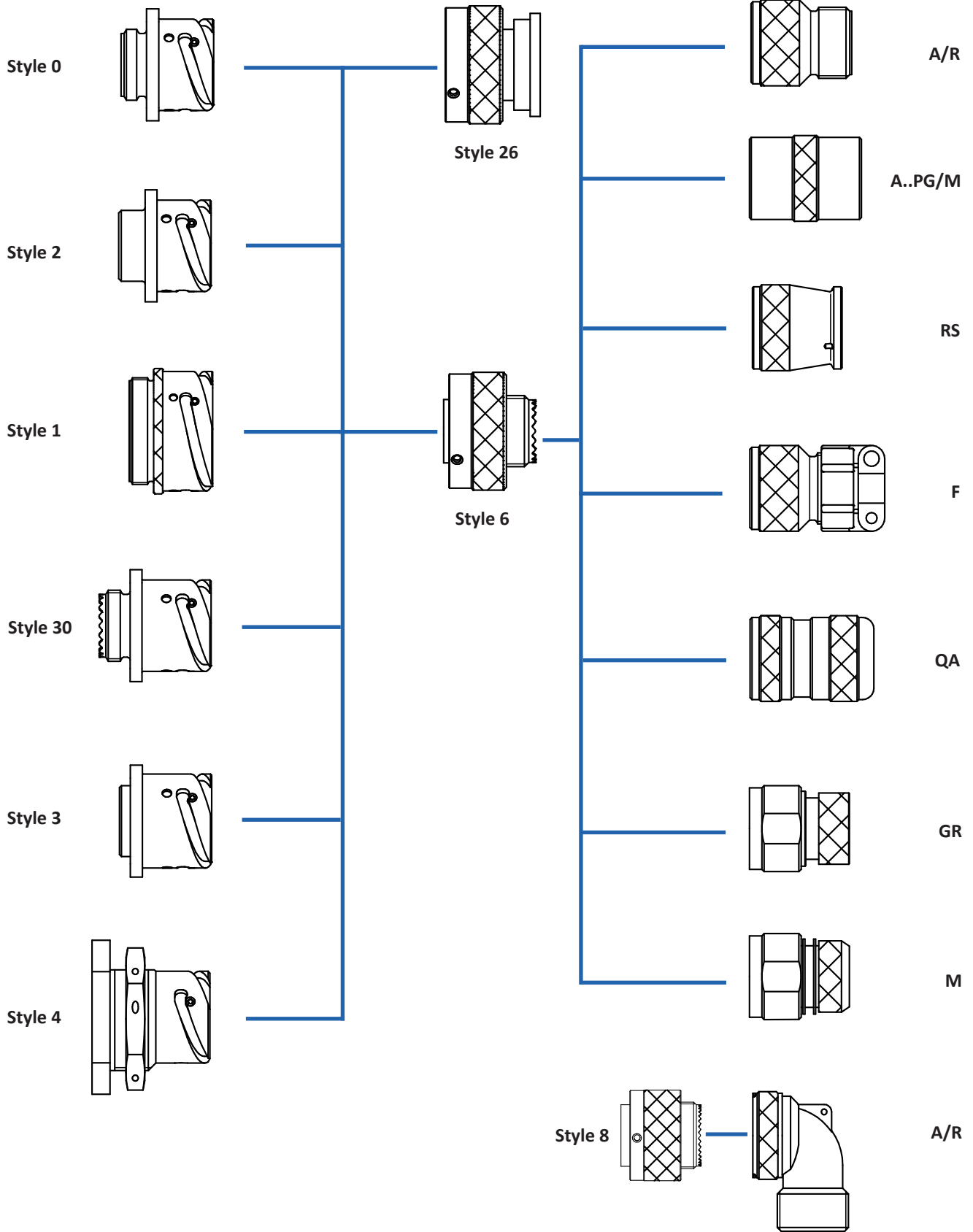
Dimensioni in mm / Dimensions in mm

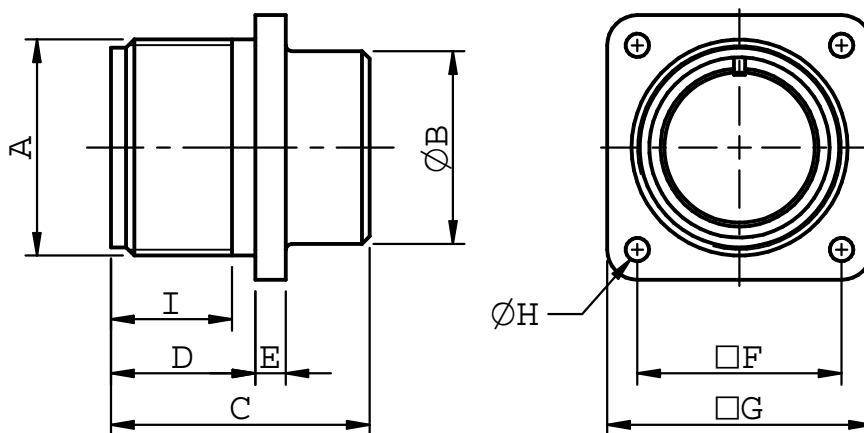
DIMENSIONE FORATURA PANNELLO PER CONNETTORI TIPO 4 (RETROPANNELLO) PANEL CUTOUT FOR TYPE 4 CONNECTORS (JAM NUT RECEPTACLES)

	Size										
	10SL	14S	16/16S	18	20	22	24	28	32	36	40
ØA+0.25	22.4	28.75	31.95	35.1	38.3	41.45	44.65	51	57.35	63.7	70.05
B -0.35	21	27.4	30.95	33.75	36.85	40.05	43.35	49.55	55.95	62.35	68.55

Dimensioni in mm / Dimensions in mm

CLASSI E CONFIGURAZIONI CLASSES & STYLES

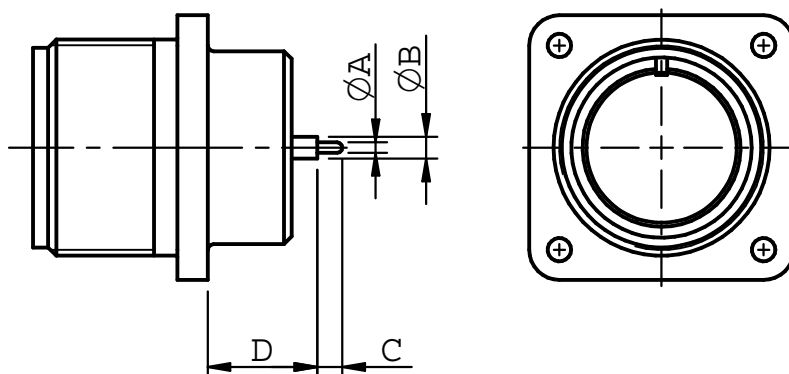


TIPI DI CONNETTORI
CONNECTOR SHELL STYLES

3MS2A

Size	A	I (min)	E ± 0.2	C ± 0.2	D $\begin{smallmatrix} +0.2 \\ 0 \end{smallmatrix}$	$\varnothing B \pm 0.2$	$\varnothing F \pm 0.1$	$\varnothing G \pm 0.2$	$\varnothing H \begin{smallmatrix} +0.1 \\ 0 \end{smallmatrix}$
10 SL	0.6250 - 24 UNEF	11	2.8	24.6	14.3	15.9	18.25	25.4	3.2
12 S	0.7500 - 20 UNEF	11	2.8	24.6	14.3	15.9	20.60	27.8	3.2
12	0.7500 - 20 UNEF	16	2.8	34.5	19.1	15.9	20.60	27.8	3.2
14 S	0.8750 - 20 UNEF	11	3.3	24.8	14.5	19.0	23.00	30.0	3.2
14	0.8750 - 20 UNEF	16	3.3	34.5	19.1	19.0	23.00	30.0	3.2
16 S	1.0000 - 20 UNEF	11	3.3	24.8	14.5	22.2	24.60	32.5	3.2
16	1.0000 - 20 UNEF	16	3.3	34.5	19.1	22.2	24.60	32.5	3.2
18	1.1250 - 18 UNEF	16	4.0	34.2	19.1	25.5	27.00	35.0	3.2
20	1.2500 - 18 UNEF	16	4.0	34.2	19.1	28.5	29.40	38.0	3.2
22	1.3750 - 18 UNEF	16	4.0	34.2	19.6	31.7	31.75	41.0	3.2
24	1.5000 - 18 UNEF	17	4.0	35.7	20.6	34.9	34.90	44.5	3.7
28	1.7500 - 18 UNS	17	4.0	35.7	20.0	41.4	39.70	50.9	3.7
32	2.0000 - 18 UNS	17	4.0	37.3	22.3	47.6	44.45	57.0	4.3
36	2.2500 - 16 UN	17	4.0	37.3	22.3	52.4	49.20	63.5	4.3
40	2.5000 - 16 UN	17	4.0	37.3	22.3	58.7	55.55	69.9	4.3

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI CONNECTOR SHELL STYLES

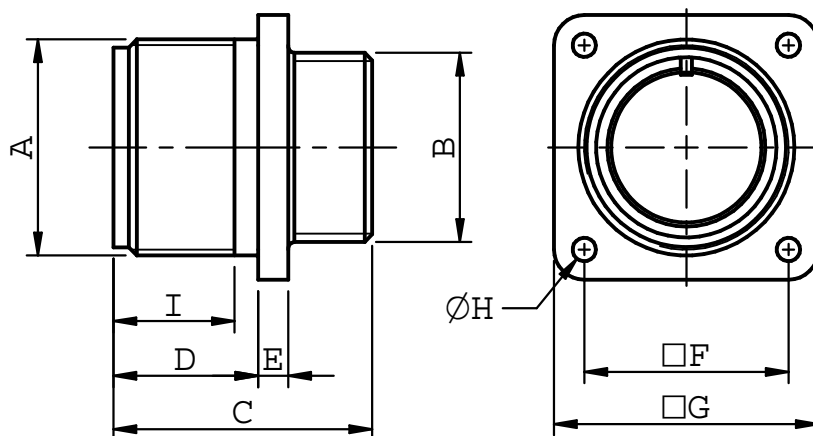


3MS2Y

Size	13.85Y #16				Y #12			
	ØA	ØB	C	D	ØA	ØB	C	D
10 SL	-	-	-	-	-	-	-	-
12 S	-	-	-	-	-	-	-	-
12	-	-	-	-	1.8	3.4	18.30	3.5
14 S	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-
16 S	-	-	-	-	-	-	-	-
16	0.8	1.8	3.5	17.85	1.8	3.4	17.85	3.5
18	0.8	1.8	3.5	17.05	1.8	3.4	17.05	3.5
20	0.8	1.8	3.5	17.05	1.8	3.4	17.05	3.5
22	0.8	1.8	3.5	16.55	1.8	3.4	16.55	3.5
24	0.8	1.8	3.5	15.45	1.8	3.4	15.45	3.5
28	0.8	1.8	3.5	16.25	1.8	3.4	16.25	3.5
32	0.8	1.8	3.5	13.85	1.8	3.4	13.85	3.5
36	0.8	1.8	3.5	13.85	1.8	3.4	13.85	3.5
40	0.8	1.8	3.5	13.85	1.8	3.4	13.85	3.5

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI CONNECTOR SHELL STYLES

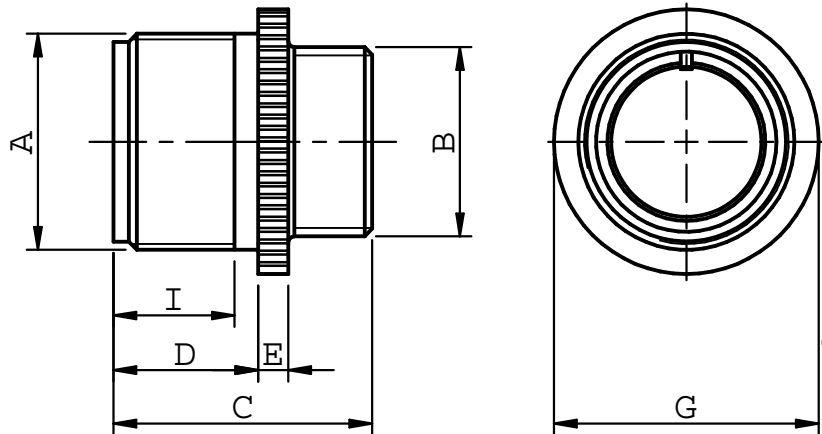


3MS0A..LB

Size	A	B	I (min)	E ± 0.2	C ± 0.2	D ± 0.2	F ± 0.1	G ± 0.2	$\varnothing H^{+0.1}$
10 SL	0.625 - 24 UNEF	0.6250 - 24 UNEF	11	2.8	24.6	14.3	18.25	25.4	3.2
12 S	0.750 - 20 UNEF	0.6875 - 24 UNEF	11	2.8	24.6	14.3	20.60	27.8	3.2
12	0.750 - 20 UNEF	0.6875 - 24 UNEF	16	2.8	34.5	19.1	20.60	27.8	3.2
14 S	0.875 - 20 UNEF	0.7500 - 20 UNEF	11	3.3	24.8	14.5	23.00	30.0	3.2
14	0.875 - 20 UNEF	0.7500 - 20 UNEF	16	3.3	34.5	19.1	23.00	30.0	3.2
16 S	1.000 - 20 UNEF	0.8750 - 20 UNEF	11	3.3	24.8	14.5	24.60	32.5	3.2
16	1.000 - 20 UNEF	0.8750 - 20 UNEF	16	3.3	34.5	19.1	24.60	32.5	3.2
18	1.125 - 18 UNEF	1.0000 - 20 UNEF	16	4.0	34.2	19.1	27.00	35.0	3.2
20	1.250 - 18 UNEF	1.1250 - 18 UNEF	16	4.0	34.2	19.1	29.40	38.0	3.2
22	1.375 - 18 UNEF	1.2500 - 18 UNEF	16	4.0	34.2	19.6	31.75	41.0	3.2
24	1.500 - 18 UNEF	1.3750 - 18 UNEF	17	4.0	35.7	20.6	34.90	44.5	3.7
28	1.750 - 18 UNS	1.6250 - 18 UNEF	17	4.0	35.7	20.0	39.70	50.9	3.7
32	2.000 - 18 UNS	1.8750 - 16 UN	17	4.0	37.3	22.3	44.45	57.0	4.3
36	2.250 - 16 UN	2.0625 - 16 UN	17	4.0	37.3	22.3	49.20	63.5	4.3
40	2.500 - 16 UN	2.3125 - 16 UN	17	4.0	37.3	22.3	55.55	69.9	4.3

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

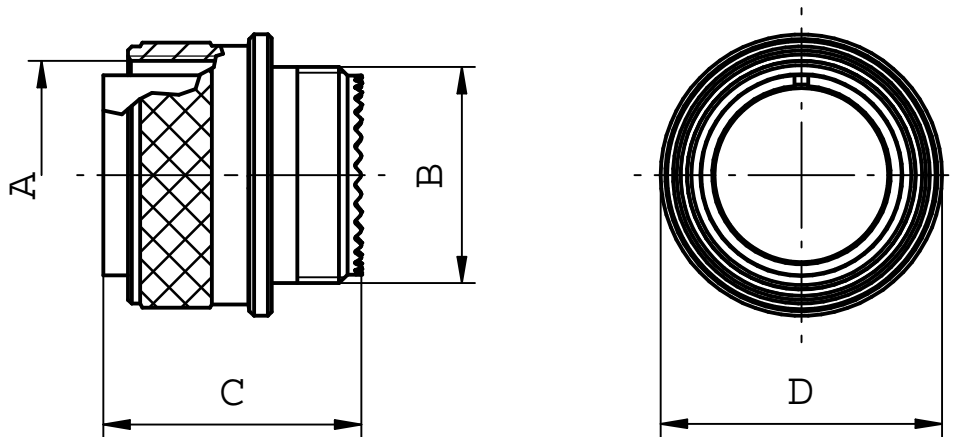


3MS1A..LB

Size	A	B	I (min)	E ± 0.2	C ± 0.2	D $+0.2$	$\varnothing G \pm 0.2$
10 SL	0.625 - 24 UNEF	0.6250 - 24 UNEF	11	2.8	24.6	14.3	21.6
12 S	0.750 - 20 UNEF	0.6875 - 24 UNEF	11	2.8	24.6	14.3	24.9
12	0.750 - 20 UNEF	0.6875 - 24 UNEF	16	2.8	34.5	19.1	24.9
14 S	0.875 - 20 UNEF	0.7500 - 20 UNEF	11	3.3	24.8	14.5	28.8
14	0.875 - 20 UNEF	0.7500 - 20 UNEF	16	3.3	34.5	19.1	28.8
16 S	1.000 - 20 UNEF	0.8750 - 20 UNEF	11	3.3	24.8	14.5	30.6
16	1.000 - 20 UNEF	0.8750 - 20 UNEF	16	3.3	34.5	19.1	30.6
18	1.125 - 18 UNEF	1.0000 - 20 UNEF	16	4.0	34.2	19.1	33.7
20	1.250 - 18 UNEF	1.1250 - 18 UNEF	16	4.0	34.2	19.1	36.9
22	1.375 - 18 UNEF	1.2500 - 18 UNEF	16	4.0	34.2	19.6	39.5
24	1.500 - 18 UNEF	1.3750 - 18 UNEF	17	4.0	35.7	20.6	43.9
28	1.750 - 18 UNS	1.6250 - 18 UNEF	17	4.0	35.7	20.0	49.2
32	2.000 - 18 UNS	1.8750 - 16 UN	17	4.0	37.3	22.3	55.8
36	2.250 - 16 UN	2.0625 - 16 UN	17	4.0	37.3	22.3	62.3
40	2.500 - 16 UN	2.3125 - 16 UN	17	4.0	37.3	22.3	68.5

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

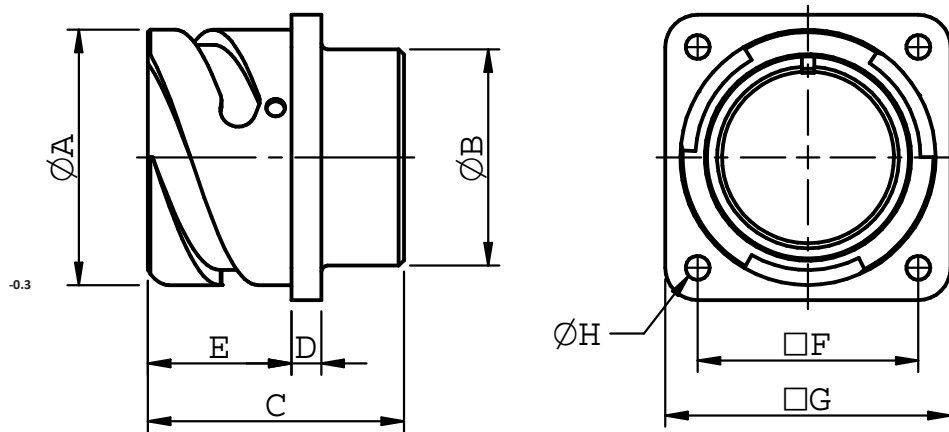


3MS6A..LB

Size	A	B	C _{max}	D ^{±0.2}
10SL	0.6250 - 24 UNEF	0.6250 - 24 UNEF	24.70	24.1
12S	0.7500 - 20 UNEF	0.6250 - 24 UNEF		25.0
12	0.7500 - 20 UNEF	0.6250 - 24 UNEF		25.0
14S	0.8750 - 20 UNEF	0.7500 - 20 UNEF	24.70	28.0
14	0.8750 - 20 UNEF	0.7500 - 20 UNEF		28.0
16S	1.0000 - 20 UNEF	0.8750 - 18 UNEF	24.70	31.5
16	1.0000 - 20 UNEF	0.8750 - 18 UNEF	34.25	31.5
18	1.1250 - 18 UNEF	1.0000 - 18 UNEF	34.25	34.0
20	1.2500 - 18 UNEF	1.1250 - 18 UNEF	34.25	37.2
22	1.3750 - 18 UNEF	1.2500 - 16 UN	34.25	40.4
24	1.5000 - 18 UNEF	1.3750 - 16 UN	35.85	43.5
28	1.7500 - 18 UNS	1.6250 - 18 UNEF	35.65	49.9
32	2.0000 - 18 UNS	1.8750 - 16 UN	37.45	56.0
36	2.2500 - 16 UN	2.0625 - 16 UN	37.45	62.5
40	2.5000 - 16 UN	2.3125 - 16 UN	37.45	69.0

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI CONNECTOR SHELL STYLES

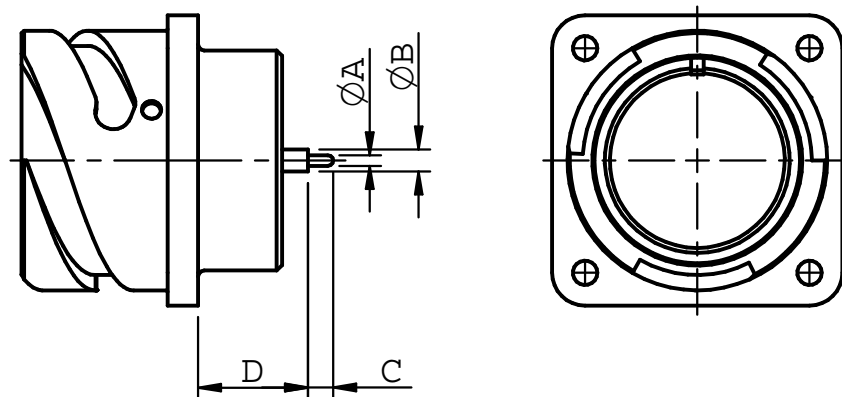


3RB2A

Size	ØA ⁰	ØB _{max}	C ^{±0.3}	D ^{±0.2}	E ^{+0.2 0}	F ^{±0.1}	G ^{±0.2}	ØH ^{+0.1}
10 SL	18.2	16.2	24.7	2.8	14.3	18.25	25.4	3.2
14 S	24.5	19.2	24.7	3.3	14.5	23.00	30.4	3.2
16 S	27.2	22.4	24.7	3.3	14.5	24.60	32.5	3.2
16	27.2	22.4	33.8	3.3	19.1	24.60	32.5	3.2
18	30.7	25.6	34.5	4.0	19.1	27.00	35.0	3.2
20	34.0	29.0	34.5	4.0	19.1	29.40	38.0	3.2
22	37.3	32.2	34.5	4.0	19.6	31.75	41.0	3.2
24	40.9	35.3	35.7	4.0	20.6	34.90	44.5	3.7
28	46.7	41.4	35.7	4.0	20.7	39.70	50.9	3.7
32	53.4	47.8	37.3	4.0	22.3	44.45	57.0	4.3
36	59.6	54.1	37.3	4.0	22.3	49.20	63.5	4.3
40	65.5	59.0	37.3	4.0	22.3	55.55	69.9	4.3

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

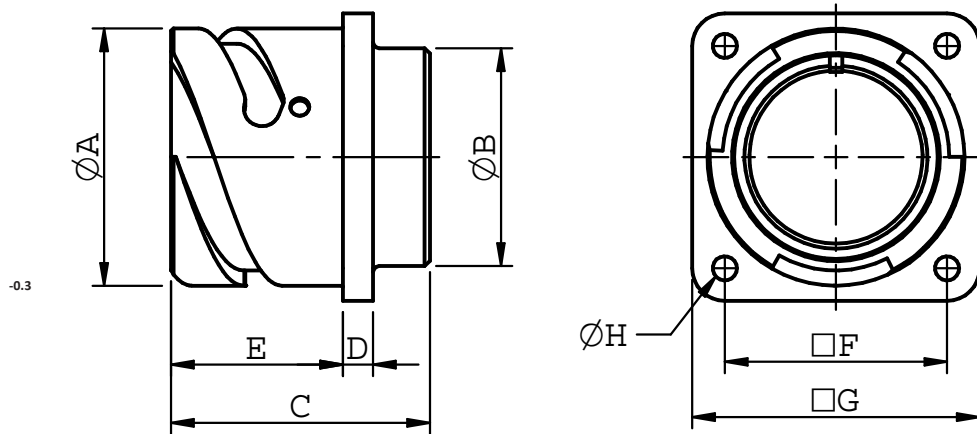


3RB2Y

Size	Y #16				Y #12			
	ØA	ØB	C	D	ØA	ØB	C	D
10 SL	-	-	-	-	-	-	-	-
14 S	-	-	-	-	-	-	-	-
16 S	-	-	-	-	-	-	-	-
16	0.8	1.8	3.5	17.85	1.8	3.4	3.5	17.85
18	0.8	1.8	3.5	17.05	1.8	3.4	3.5	17.05
20	0.8	1.8	3.5	17.05	1.8	3.4	3.5	17.05
22	0.8	1.8	3.5	16.55	1.8	3.4	3.5	16.55
24	0.8	1.8	3.5	15.45	1.8	3.4	3.5	15.45
28	0.8	1.8	3.5	16.25	1.8	3.4	3.5	16.25
32	0.8	1.8	3.5	13.85	1.8	3.4	3.5	13.85
36	0.8	1.8	3.5	13.85	1.8	3.4	3.5	13.85
40	0.8	1.8	3.5	13.85	1.8	3.4	3.5	13.85

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

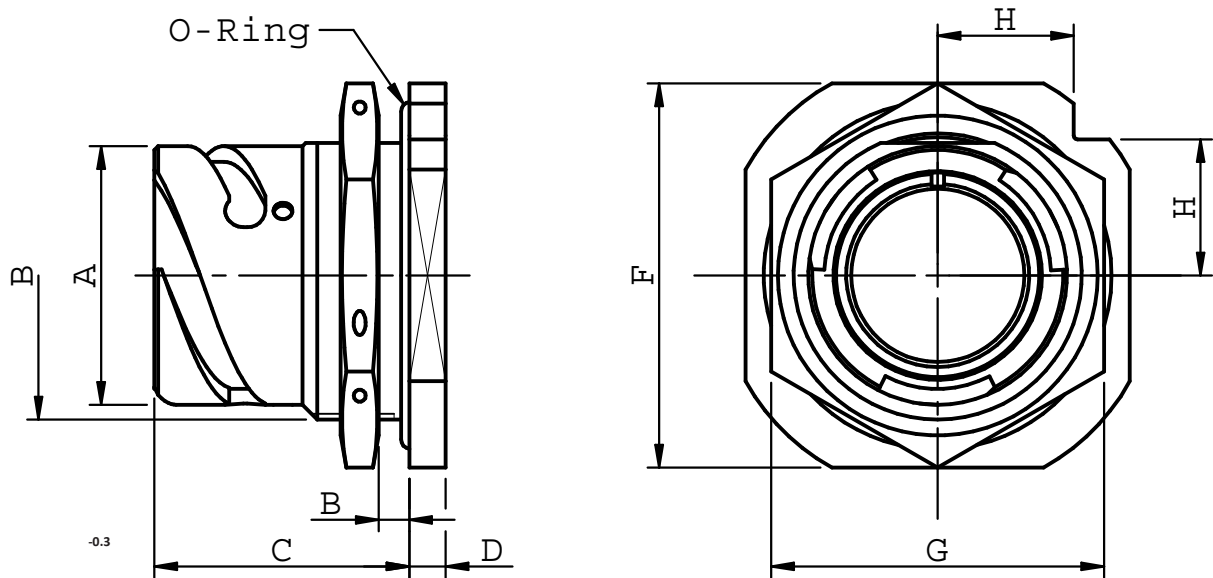


3RB3A

Size	ØA ⁰	ØB _{max}	C _{max}	D ^{±0.2}	E ^{+0.2 0}	□F ^{±0.1}	□G ^{±0.2}	ØH ^{+0.1}
10 SL	18.2	16.2	24.7	2.8	18.5	18.25	25.4	3.2
14 S	24.5	19.2	24.7	3.3	18.5	23.00	30.4	3.2
16 S	27.2	22.4	24.7	3.3	18.5	24.60	32.5	3.2
16	27.2	22.4	33.8	3.3	23.2	24.60	32.5	3.2
18	30.7	25.6	34.2	4.0	23.2	27.00	35.0	3.2
20	34.0	29.0	34.5	4.0	23.2	29.40	38.0	3.2
22	37.3	32.2	33.8	4.0	23.2	31.75	41.0	3.2
24	40.9	35.3	34.5	4.0	23.2	34.90	44.5	3.7
28	46.7	41.4	34.5	4.0	24.4	39.70	50.9	3.7
32	53.4	47.8	33.8	4.0	24.2	44.45	57.0	4.3
36	59.6	54.1	33.8	4.0	24.2	49.20	63.5	4.3
40	65.5	59.0	33.8	4.0	24.2	55.55	69.9	4.3

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

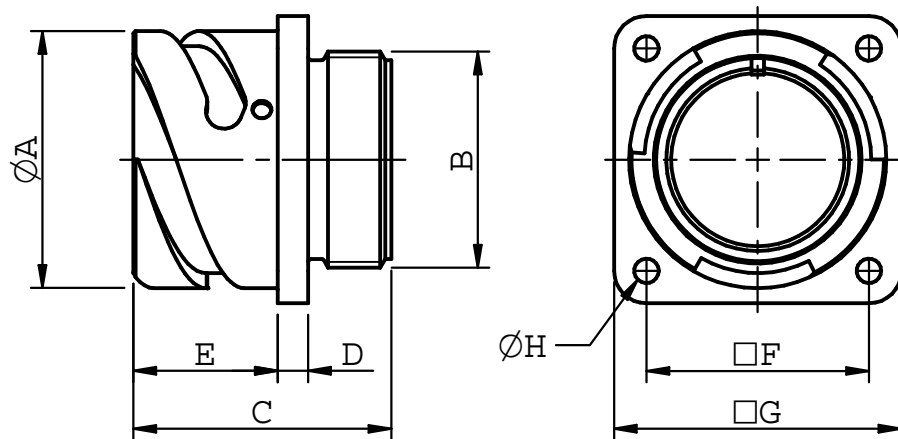


3RB4A

Size	$\varnothing A^0$	B		C ± 0.2	D ± 0.2	E	F $^{+0.2}_0$	G	H
		Min.	Max.						
10 SL	18.2	2.4	5.2	24.5	4.0	0.8750 - 20 UNEF	31.8	27	11.2
14 S	24.5	2.4	7.5	26.8	4.8	1.1250 - 18 UNEF	41.3	33	14.6
16 S	27.2	2.4	7.5	26.8	4.8	1.2500 - 18 UNEF	44.4	38	15.7
16	27.2	2.4	7.5	32.2	4.8	1.2500 - 18 UNEF	44.4	38	15.7
18	30.7	2.4	9.0	33.7	4.8	1.3750 - 18 UNEF	47.6	40	16.8
20	34.0	2.4	9.0	33.7	4.8	1.5000 - 18 UNEF	50.8	44	18.0
22	37.3	2.4	9.1	33.7	4.8	1.6250 - 18 UNEF	54.2	46	20.2
24	40.9	2.4	9.1	33.7	4.8	1.7500 - 18 UNS	57.2	51	20.2
28	46.7	2.4	8.5	35.2	5.6	2.0000 - 18 UNS	63.5	55	22.5
32	53.4	2.4	6.5	35.2	5.6	2.2500 - 16 UN	69.8	62	24.7
36	59.6	2.4	8.3	35.2	5.6	2.5000 - 16 UN	76.2	71	26.9
40	65.5	2.4	8.3	35.2	5.6	2.7500 - 16 UN	83.5	75	29.6

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

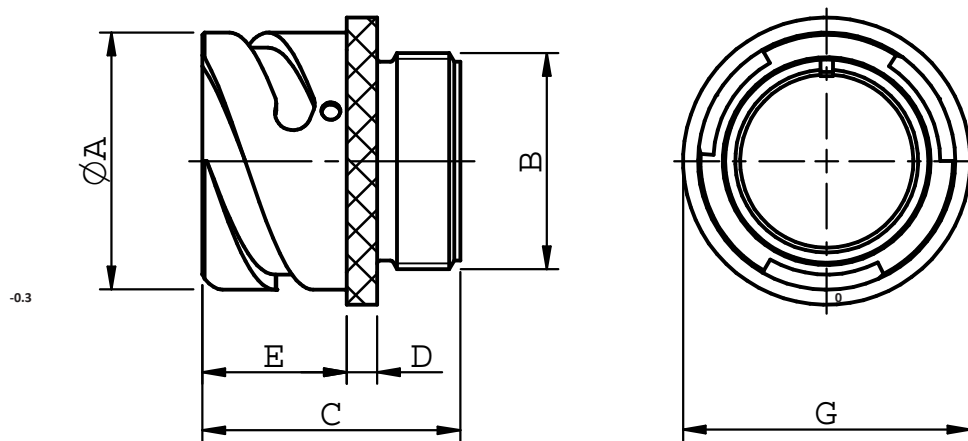


3RBOA..LB

Size	ØA °	B	C _{max}	D ±0.2	E ^{+0.2} ₀	□F±0.1	□G±0.2	ØH±0.1
10 SL	18.2	0.6250 - 24 UNEF	24.7	2.8	14.3	18.25	25.4	3.2
14 S	24.5	0.7500 - 20 UNEF	27.9	3.3	14.5	23.00	30.4	3.2
16 S	27.2	0.8750 - 20 UNEF	24.9	3.3	14.5	24.60	32.5	3.2
16	27.2	0.8750 - 20 UNEF	33.9	3.3	19.1	24.60	32.5	3.2
18	30.7	1.0000 - 20 UNEF	34.3	4.0	19.1	27.00	35.0	3.2
20	34.0	1.1250 - 18 UNEF	34.2	4.0	19.1	29.40	38.0	3.2
22	37.3	1.2500 - 18 UNEF	34.3	4.0	19.6	31.75	41.0	3.2
24	40.9	1.3750 - 18 UNEF	35.8	4.0	20.6	34.90	44.5	3.7
28	46.7	1.6250 - 18 UNEF	35.8	4.0	20.7	39.70	50.9	3.7
32	53.4	1.8750 - 16 UN	37.4	4.0	22.3	44.45	57.0	4.3
36	59.6	2.0625 - 16 UN	37.4	4.0	22.3	49.20	63.5	4.3
40	65.5	2.3125 - 16 UN	37.4	4.0	22.3	55.55	69.9	4.3

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

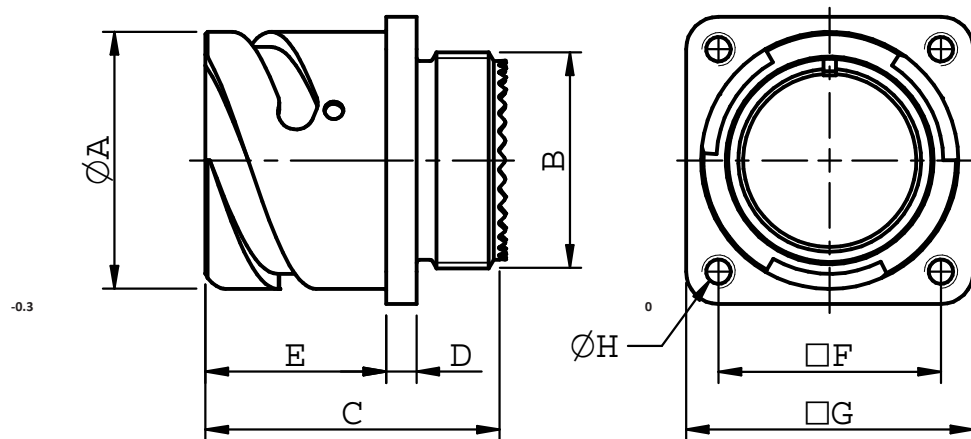


3RB1A..LB

Size	$\varnothing A$ °	B	C_{max}	$D \pm 0.2$	$E +0.2$	$\varnothing G \pm 0.2$
10 SL	18.2	0.6250 - 24 UNEF	24.7	2.8	14.3	21.8
14 S	24.5	0.7500 - 20 UNEF	27.9	3.3	14.5	28.8
16 S	27.2	0.8750 - 20 UNEF	24.9	3.3	14.5	30.5
16	27.2	0.8750 - 20 UNEF	33.9	3.3	19.1	30.5
18	30.7	1.0000 - 20 UNEF	34.3	4.0	19.1	33.8
20	34.0	1.1250 - 18 UNEF	34.2	4.0	19.1	36.9
22	37.3	1.2500 - 18 UNEF	34.3	4.0	19.6	39.5
24	40.9	1.3750 - 18 UNEF	35.8	4.0	20.6	43.9
28	46.7	1.6250 - 18 UNEF	35.8	4.0	20.7	48.4
32	53.4	1.8750 - 16 UN	37.4	4.0	22.3	56.0
36	59.6	2.0625 - 16 UN	37.4	4.0	22.3	62.4
40	65.5	2.3125 - 16 UN	37.4	4.0	22.3	68.6

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

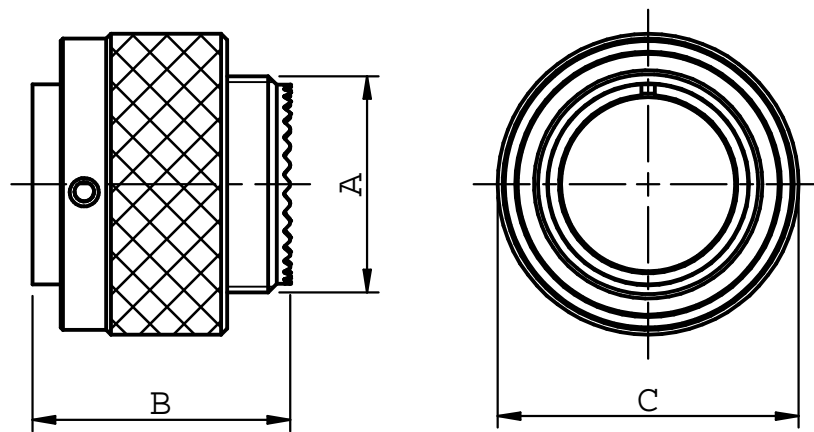


3RB30A..LB

Size	$\varnothing A$ °	B	C_{max}	$D \pm 0.2$	$E^{+0.2}$	$F \pm 0.1$	$G \pm 0.2$	$\varnothing H$
10 SL	18.2	0.6250 - 24 UNEF	30.1	2.8	18.5	18.25	25.4	M4
14 S	24.5	0.7500 - 20 UNEF	30.2	3.3	18.5	23.00	30.4	M4
16 S	27.2	0.8750 - 20 UNEF	30.1	3.3	18.5	24.60	32.5	M4
16	27.2	0.8750 - 20 UNEF	37.1	3.3	23.2	24.60	32.5	M4
18	30.7	1.0000 - 20 UNEF	36.1	4.0	23.2	27.00	35.0	M4
20	34.0	1.1250 - 18 UNEF	38.4	4.0	23.2	29.40	38.0	M4
22	37.3	1.2500 - 18 UNEF	37.1	4.0	23.2	31.75	41.0	M4
24	40.9	1.3750 - 18 UNEF	37.1	4.0	23.2	34.90	44.5	M4
28	46.7	1.6250 - 18 UNEF	39.6	4.0	24.4	39.70	50.9	M5
32	53.4	1.8750 - 16 UN	39.6	4.0	24.2	44.45	57.0	M5
36	59.6	2.0625 - 16 UN	39.6	4.0	24.2	49.20	63.5	M5
40	65.5	2.3125 - 16 UN	39.6	4.0	24.4	55.55	69.9	M5

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI **CONNECTOR SHELL STYLES**

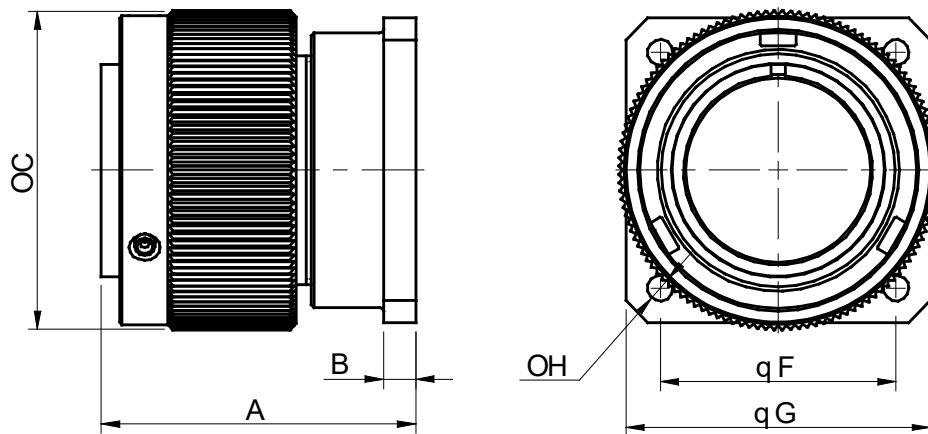


3RB6A..LB

Size	A	B _{max}	øC ^{±0.2}
10 SL	0.6250 - 24 UNEF	24.70	22.6
14 S	0.7500 - 20 UNEF	24.70	29.0
16 S	0.8750 - 20 UNEF	24.70	31.6
16	0.8750 - 20 UNEF	34.25	31.6
18	1.0000 - 20 UNEF	34.25	36.2
20	1.1250 - 18 UNEF	34.25	39.8
22	1.2500 - 18 UNEF	34.25	43.0
24	1.3750 - 18 UNEF	35.85	46.4
28	1.6250 - 18 UNEF	35.65	53.0
32	1.8750 - 16 UN	37.45	60.0
36	2.0625 - 16 UN	37.45	66.2
40	2.3125 - 16 UN	37.45	72.3

Dimensioni in mm / Dimensions in mm

TIPI DI CONNETTORI CONNECTOR SHELL STYLES



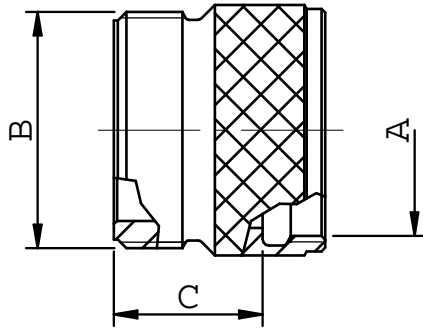
3RBS26A

Size	$\varnothing A_{\max}$	$B_{\pm 0.2}$	$\varnothing C_{\pm 0.2}$	$\varnothing F_{\pm 0.1}$	$\varnothing G_{+0.2}$	$\varnothing H_{\pm 0.1}$
10 SL	37.2	2.8	22.6	18.25	25.4	3.2
14 S	37.2	3.2	29.0	23.00	30.4	3.2
16 S	37.2	3.2	31.6	24.60	32.5	3.2
16	38.3	3.2	31.6	24.60	32.5	3.2
18	38.3	4.0	36.2	27.00	35.0	3.2
20	38.3	4.0	39.8	29.40	38.0	3.2
22	38.3	4.0	43.0	31.75	41.0	3.2
24	41.0	4.0	46.4	34.90	44.5	3.2
28	41.0	4.0	53.0	39.70	50.9	3.7
32	43.9	4.0	60.0	44.45	57.0	3.7
36	45.0	4.0	66.2	49.2	63.5	4.3
40	45.0	4.0	72.3	55.55	69.9	4.3

Dimensioni in mm / Dimensions in mm

CLASSI CLASSES

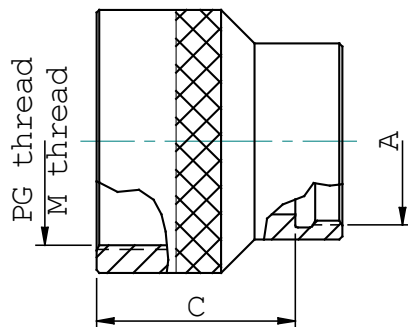
A



Size	A	B	C (max)
10 SL	.6250 - 24 UNEF	.6250 - 24 UNEF	14.4
14 S	.7500 - 20 UNEF	.7500 - 20 UNEF	16.6
16 S	.8750 - 20 UNEF	.8750 - 20 UNEF	16.6
16	.8750 - 20 UNEF	.8750 - 20 UNEF	18.5
18	1.0000 - 20 UNEF	1.0000 - 20 UNEF	18.5
20	1.1250 - 18 UNEF	1.1875 - 18 UNEF	19.2
22	1.2500 - 18 UNEF	1.1875 - 18 UNEF	19.2
24	1.3750 - 18 UNEF	1.4375 - 18 UNEF	19.7
28	1.6250 - 18 UNEF	1.4375 - 18 UNEF	25.5
32	1.8750 - 16 UN	1.7500 - 18 UNS	29.0
36	2.0625 - 16 UN	2.0000 - 18 UNS	34.5
40	2.3125 - 16 UN	2.2500 - 16 UNS	34.5

Dimensioni in mm / Dimensions in mm

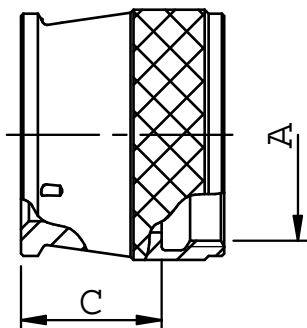
A..PG / A...M



Size	A	PG thread	M thread	C (max)
10 SL	.6250 - 24 UNEF	7/9/11	M12x1.5	24.5
14 S	.7500 - 20 UNEF	11/13.5	M16x1.5	24.5
16 S	.8750 - 20 UNEF	9/11/16	M16x1.5	24.5
16	.8750 - 20 UNEF	9/11/16	M16x1.5	31.3
18	1.0000 - 20 UNEF	9/11/16	M20x1.5	31.3
20	1.1250 - 18 UNEF	11/16/21	M25x1.5	34.0
22	1.2500 - 18 UNEF	13.5/16/21	M25x1.5	34.0
24	1.3750 - 18 UNEF	16/21/29	M32x1.5	35.7
28	1.6250 - 18 UNEF	16/21/29	M32x1.5	35.7
32	1.8750 - 16 UN	21/29	M36x1.5	41.5
36	2.0625 - 16 UN	21/29/36	M40x1.5	51.4
40	2.3125 - 16 UN	29/36	M48x1.5	51.4

Dimensioni in mm / Dimensions in mm

RS

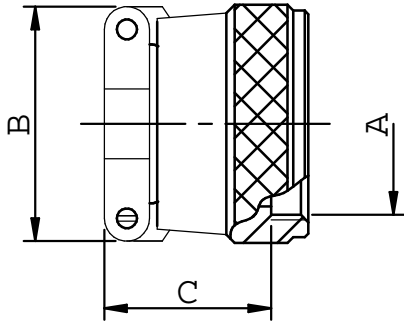


Size	A	C (max)
10 SL	.6250 - 24 UNEF	14.4
12S	.6250 - 24 UNEF	14.4
14 S	.7500 - 20 UNEF	18.5
16 S	.8750 - 20 UNEF	18.5
16	.8750 - 20 UNEF	17.7
18	1.0000 - 20 UNEF	17.7
20	1.1250 - 18 UNEF	17.7
22	1.2500 - 18 UNEF	17.7
24	1.3750 - 18 UNEF	17.7
28	1.6250 - 18 UNEF	17.7
32	1.8750 - 16 UN	18.0
36	2.0625 - 16 UN	18.0
40	2.3125 - 16 UN	18.0

Dimensioni in mm / Dimensions in mm

CLASSI CLASSES

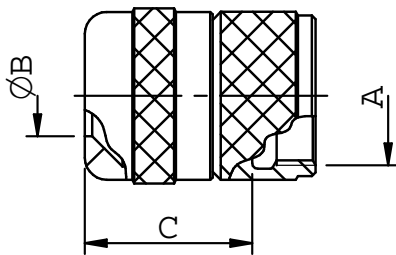
F



Size	A	B (max)	C (max)
10 SL	.6250 - 24 UNEF	22.7	27.3
12 S	.6250 - 24 UNEF	22.7	27.3
14 S	.7500 - 20 UNEF	30.0	29.6
16 S	.8750 - 20 UNEF	30.0	31.3
16	.8750 - 20 UNEF	30.0	34.5
18	1.0000 - 20 UNEF	32.2	34.5
20	1.1250 - 18 UNEF	37.5	34.5
22	1.2500 - 18 UNEF	37.5	34.5
24	1.3750 - 18 UNEF	43.3	39.0
28	1.6250 - 18 UNEF	43.3	39.2
32	1.8750 - 16 UN	51.7	-
36	2.0625 - 16 UN	58.0	-
40	2.3125 - 16 UN	68.5	-

Dimensioni in mm / Dimensions in mm

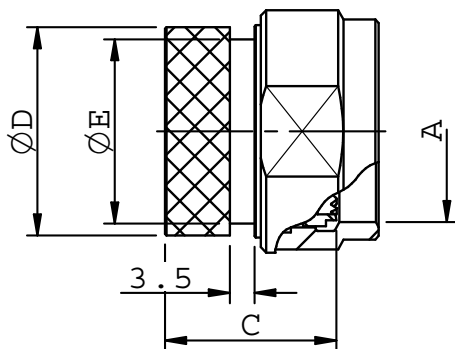
QA



Size	A	ØB (min)	ØB (max)	C (max)
10 SL	.6250 - 24 UNEF	2	9	50
12 S	.6250 - 24 UNEF	2	9	50
14 S	.7500 - 20 UNEF	2	11	50
16 S	.8750 - 20 UNEF	2	11	51
16	.8750 - 20 UNEF	2	11	51
18	1.0000 - 20 UNEF	10	17	51
20	1.1250 - 18 UNEF	10	17	51
22	1.2500 - 18 UNEF	11	21	51
24	1.3750 - 18 UNEF	11	21	55
28	1.6250 - 18 UNEF	17	25	55
32	1.8750 - 16 UN	-	-	-
36	2.0625 - 16 UN	-	-	-
40	2.3125 - 16 UN	-	-	-

Dimensioni in mm / Dimensions in mm

GR

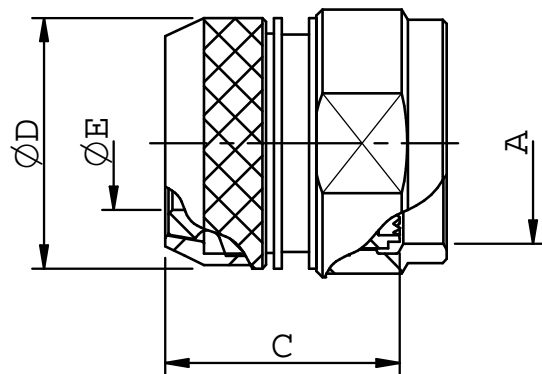


Size	A	C	ØD	ØE
10 SL	.6250 - 24 UNEF	25.0	15.5	13.3
12 S	.6250 - 24 UNEF	25.0	15.5	13.3
14 S	.7500 - 20 UNEF	25.0	19.1	17.0
16 S	.8750 - 20 UNEF	22.2	23.9	21.9
16	.8750 - 20 UNEF	22.2	23.9	21.9
18	1.0000 - 20 UNEF	24.2	23.9	21.9
20	1.1250 - 18 UNEF	24.4	29.6	26.2
22	1.2500 - 18 UNEF	24.4	29.6	26.2
24	1.3750 - 18 UNEF	25.4	37.8	34.5
28	1.6250 - 18 UNEF	25.4	37.8	34.5
32	1.8750 - 16 UN	27.9	47.8	43.6
36	2.0625 - 16 UN	27.9	47.8	43.6
40	2.3125 - 16 UN	27.9	57.8	52.6

Dimensioni in mm / Dimensions in mm

CLASSI CLASSES

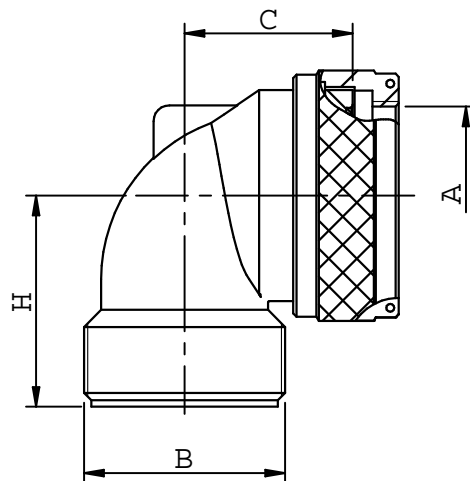
M



Size	A	C	ØD (max)	ØE
10 SL	.6250 - 24 UNEF	27.0	18.5	16.3
12 S	.6250 - 24 UNEF	27.0	18.5	16.3
14 S	.7500 - 20 UNEF	27.0	22.0	20.0
16 S	.8750 - 20 UNEF	29.8	25.0	23.0
16	.8750 - 20 UNEF	29.8	25.0	23.0
18	1.0000 - 20 UNEF	29.8	28.0	24.5
20	1.1250 - 18 UNEF	29.8	32.0	28.5
22	1.2500 - 18 UNEF	29.8	34.0	30.5
24	1.3750 - 18 UNEF	29.8	38.0	34.5
28	1.6250 - 18 UNEF	29.8	40.0	36.0
32	1.8750 - 16 UN	29.8	48.0	44.0
36	2.0625 - 16 UN	30.0	55.0	51.0
40	2.3125 - 16 UN	30.0	62.0	58.0

Dimensioni in mm / Dimensions in mm

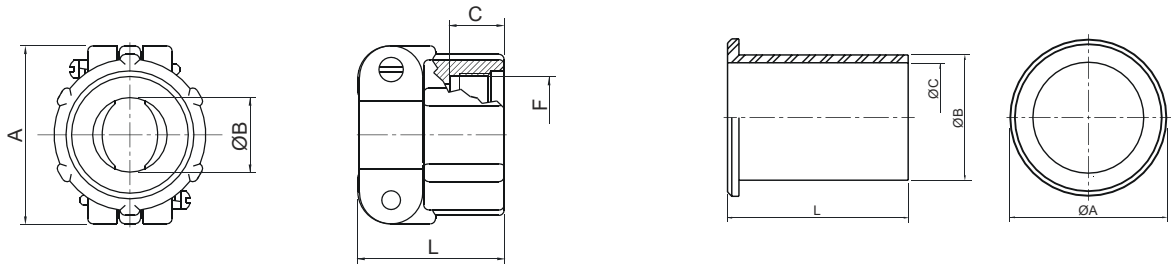
A



Size	A	B	C (max)	H
10 SL	.6250 - 24 UNEF	.6250 - 24 UNEF	13.3	25
12 S	.6250 - 24 UNEF	.6250 - 24 UNEF	13.3	25
14 S	.7500 - 20 UNEF	.7500 - 20 UNEF	15.2	27
16 S	.8750 - 20 UNEF	.8750 - 20 UNEF	18.7	29
16	.8750 - 20 UNEF	.8750 - 20 UNEF	18.7	29
18	1.0000 - 20 UNEF	1.0000 - 20 UNEF	20.2	31
20	1.1250 - 18 UNEF	1.1875 - 18 UNEF	25.5	33
22	1.2500 - 18 UNEF	1.1875 - 18 UNEF	25.5	35
24	1.3750 - 18 UNEF	1.4375 - 18 UNEF	29.2	38
28	1.6250 - 18 UNEF	1.4375 - 18 UNEF	29.2	40
32	1.8750 - 16 UN	1.7500 - 18 UNS	32.2	46
36	2.0625 - 16 UN	2.0000 - 18 UNS	35.7	49
40	2.3125 - 16 UN	2.2500 - 16 UNS	38.5	53

Dimensioni in mm / Dimensions in mm

SERRACAVO E BUSSOLA IN NEOPRENE CABLE CLAMP AND NEOPRENE SLEEVE



3 3057 - ...A

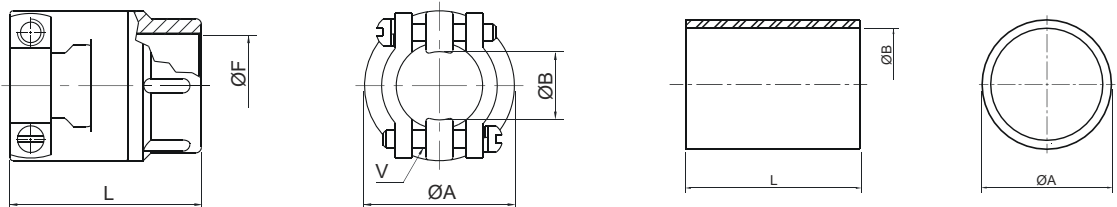
Size	P/N	A	ØB	C	F	L	Bussola Sleeve to use
10SL - 12S	33057-4A	25	8.2	10.2	.6250 - 24 UNEF	21.0	33420-4
14S	33057-6A	27	11.2	10.2	.7500 - 20 UNEF	22.2	33420-6
16S - 16	33057-8A	28	14.2	10.2	.8750 - 20 UNEF	24.0	33420-8
18	33057-10A	33	16.0	10.2	1.0000 - 20 UNEF	28.5	33420-10
20 - 22	33057-12A	35	19.0	10.2	1.1875 - 18 UNEF	24.0	33420-12
24 - 28	33057-16A	43	23.8	10.5	1.4375 - 18 UNEF	26.0	33420-16
32	33057-20A	51	31.7	12.5	1.7500 - 18 UNS	28.0	33420-20
36	33057-24A	58	35.0	14.0	2.0000 - 18 UNS	29.4	33420-24
40	33057-28A	65	41.2	14.0	2.2500 - 16 UN	42.8	33420-28

Dimensioni in mm / Dimensions in mm

3 3420 - ...

P/N	ØA ^{±0.1}	ØB ^{±0.1}	ØC ^{±0.1}	L ^{±0.1}
33420-4	12.8	7.67	5.58	69.8
33420-6	15.7	10.84	7.92	66.8
33420-8	18.8	14.02	11.09	63.5
33420-10	22.0	15.62	14.27	60.3
33420-12	27.0	18.79	15.87	57.1
33420-16	33.2	23.54	19.05	53.9
33420-20	40.5	31.49	23.79	50.9
33420-24	46.9	34.67	31.75	47.6
33420-28	52.9	40.9	34.92	44.4

Dimensioni in mm / Dimensions in mm



3 3057 - ...C

Size	P/N	A	ØB min. max.		F	L	Bussola Sleeve to use
10SL - 12S	33057-4C	22.6	2.38	7.93	.6250 - 24 UNEF	32.3	33420-4A
14S	33057-6C	25.8	5.84	11.12	.7500 - 20 UNEF	32.3	33420-6A
16S - 16	33057-8C	28.1	8.00	13.84	.8750 - 20 UNEF	32.3	33420-8A
18	33057-10C	31.0	9.60	15.87	1.0000 - 20 UNEF	35.3	33420-12A
20 - 22	33057-12C	37.3	11.3	19.00	1.1875 - 18 UNEF	35.7	33420-16A
24 - 28	33057-16C	42.0	15.5	23.80	1.4375 - 18 UNEF	38.5	33420-24A
32	33057-20C	54.0	23.4	31.75	1.7500 - 18 UNS	44.8	33420-20A
36	33057-24C	57.1	23.4	35.00	2.0000 - 18 UNS	51.6	33420-24A
40	33057-28C	63.5	29.9	41.25	2.2500 - 16 UN	51.6	33420-28A

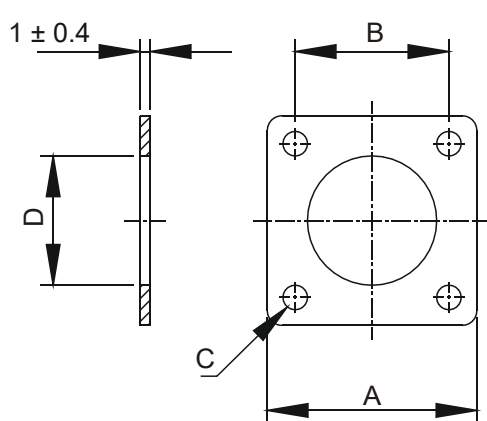
Dimensioni in mm / Dimensions in mm

3 3420 - ...A

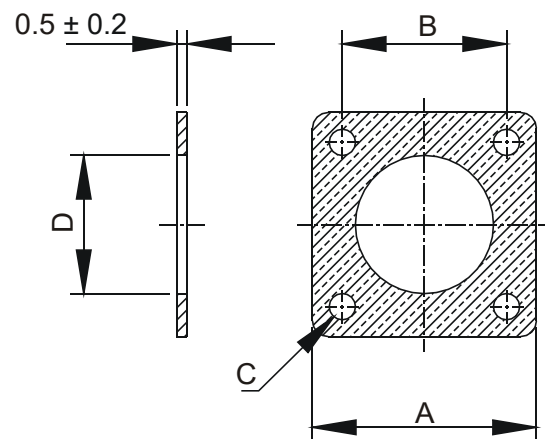
P/N	ØA ^{±0.1}	ØB ^{±0.1}	L ^{±0.1}
33420-4A	7.63	5.56	50.5
33420-6A	10.50	7.93	50.5
33420-8A	13.50	11.10	50.5
33420-10A	15.70	11.10	50.5
33420-12A	18.50	13.74	50.9
33420-16A	23.60	19.00	50.9
33420-20A	31.10	23.80	50.2
33420-24A	33.90	28.50	51.1
33420-28A	40.60	31.80	50.2

Dimensioni in mm / Dimensions in mm

GUARNIZIONI RECEPTACLE SEALING GASKETS



NEOPRENE
NEOPRENE



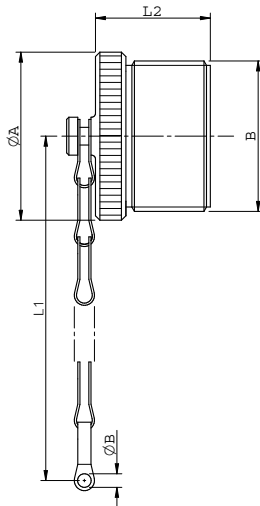
SCHERMATA
SHIELDED

Size	P/N	A (±0.5)	B (±1)	C (±0.7)	D (±0.5)
10SL	B096-10 (Shielded B096-10S)	25.4	18.2	4.2	15.7
12S	B096-12 (Shielded B096-12S)	28.0	20.6	4.2	18.9
14S	B096-14 (Shielded B096-14S)	30.0	23.0	4.2	22.1
16S - 16	B096-16 (Shielded B096-16S)	32.5	24.6	4.2	25.3
18	B096-18 (Shielded B096-18S)	35.0	27.0	4.2	28.4
20	B096-20 (Shielded B096-20S)	38.0	29.4	4.2	31.6
22	B096-22 (Shielded B096-22S)	41.0	31.8	4.2	34.8
24	B096-24 (Shielded B096-24S)	44.5	34.9	4.2	38.0
28	B096-28 (Shielded B096-28S)	50.8	39.7	5.1	44.3
32	B096-32 (Shielded B096-32S)	57.0	44.5	5.1	50.7
36	B096-36 (Shielded B096-36S)	63.5	49.2	5.1	57.0
40	B096-40 (Shielded B096-40S)	69.9	55.5	5.1	61.9

Dimensioni in mm / Dimensions in mm

GUARNIZIONI RECEPTACLE SEALING GASKETS

3MS

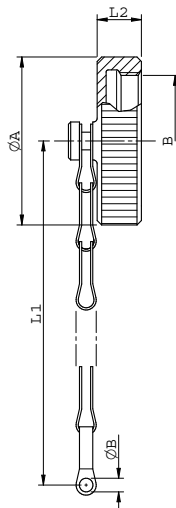


Size	P/N	ØA	B	L1 (min)	L2	ØB ^{+0.25}
10SL	3MS042-10C	17.4	0.625 - 24 UNEF	102	16.6	3.95
12S	3MS042-12C	20.6	0.750 - 20 UNEF	115	21.4	3.95
14S	3MS042-14C	23.7	0.875 - 20 UNEF	115	21.4	3.95
16S-16	3MS042-16C	26.9	1.000 - 20 UNEF	115	21.4	3.95
18	3MS042-18C	30.0	1.125 - 18 UNEF	115	21.4	3.95
20	3MS042-20C	33.0	1.250 - 18 UNEF	127	21.4	4.80
22	3MS042-22C	36.4	1.375 - 18 UNEF	127	21.4	4.80
24	3MS042-24C	39.6	1.500 - 18 UNEF	140	21.4	4.80
28	3MS042-28C	46.0	1.750 - 18 UNS	197	21.4	4.80
32	3MS042-32C	52.0	2.000 - 18 UNS	197	21.4	5.60
36	3MS042-36C	58.7	2.250 - 16 UN	197	21.4	5.60
40	3MS042-40C	65.0	2.500 - 16 UN	197	21.4	5.60

Dimensioni in mm / Dimensions in mm

TAPPO PER CONNETTORI DA PANNELLO PROTECTIVE CAPS FOR RECEPTACLES

3MS

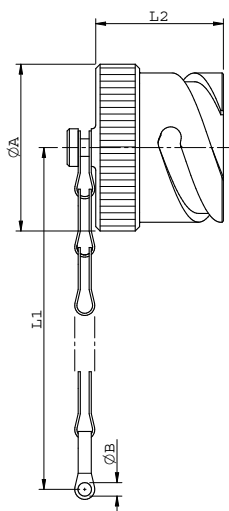


Size	P/N	ØA	B	L1 (min)	L2	ØB ^{+0.25}
10SL	3MS043-10C	20.7	0.625 - 24 UNEF	102	11.9	3.55
12S	3MS043-12C	25.4	0.750 - 20 UNEF	115	11.9	3.55
14S	3MS043-14C	28.6	0.875 - 20 UNEF	115	11.9	3.55
16S-16	3MS043-16C	30.2	1.000 - 20 UNEF	115	11.9	3.55
18	3MS043-18C	34.1	1.125 - 18 UNEF	115	11.9	3.55
20	3MS043-20C	37.3	1.250 - 18 UNEF	127	11.9	3.55
22	3MS043-22C	40.4	1.375 - 18 UNEF	127	11.9	3.55
24	3MS043-24C	43.6	1.500 - 18 UNEF	140	11.9	4.30
28	3MS043-28C	50.0	1.750 - 18 UNS	197	13.5	4.30
32	3MS043-32C	56.3	2.000 - 18 UNS	197	13.5	4.80
36	3MS043-36C	62.7	2.250 - 16 UN	197	13.5	4.80
40	3MS043-40C	69.0	2.500 - 16 UN	197	13.5	4.80

Dimensioni in mm / Dimensions in mm

TAPPO PER CONNETTORI VOLANTI PROTECTIVE CAPS FOR PLUGS

3RB

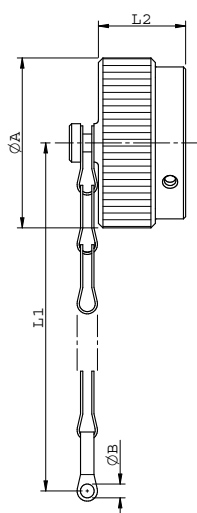


Size	P/N	ØA	L1 _(min)	L2 _(max)	ØB ^{+0.6}
10SL	3RB6T-10C	20.6	127	27.3	3.55
14S	3RB6T-14C	27.0	127	27.3	3.55
16S	3RB6T-16SC	29.8	127	27.3	3.55
16	3RB6T-16C	29.8	127	34.5	3.55
18	3RB6T-18C	33.0	127	34.5	3.55
20	3RB6T-20C	36.5	140	34.5	3.55
22	3RB6T-22C	39.7	140	34.5	3.55
24	3RB6T-24C	43.2	140	34.5	4.30
28	3RB6T-28C	48.9	190	34.5	4.30
32	3RB6T-32C	55.5	190	34.5	4.80
36	3RB6T-36C	61.6	190	34.5	4.80
40	3RB6T-40C	67.6	190	34.5	4.80

Dimensioni in mm / Dimensions in mm

TAPPO PER CONNETTORI VOLANTI PROTECTIVE CAPS FOR PLUGS

3RB



Size	P/N	ØA	L1 _(min)	L2 _(max)	ØB ^{+0.6}
10SL	3RB2T-10C	23.6	90	15.5	4.3
14S	3RB2T-14C	30.0	90	15.5	4.3
16S	3RB2T-16SC	33.0	90	15.5	4.3
16	3RB2T-16C	33.6	100	21.2	4.3
18	3RB2T-18C	38.0	100	21.2	4.3
20	3RB2T-20C	40.5	115	21.2	4.3
22	3RB2T-22C	44.0	115	21.2	4.3
24	3RB2T-24C	47.0	115	21.2	4.3
28	3RB2T-28C	53.0	160	21.2	5.5
32	3RB2T-32C	60.0	160	21.2	5.5
36	3RB2T-36C	66.2	160	21.2	5.5
40	3RB2T-40C	72.4	190	21.7	5.5

Dimensioni in mm / Dimensions in mm

TAPPO PER CONNETTORI VOLANTI

PROTECTIVE CAPS FOR PLUGS

	3MS	6	A	18-11	P	C	X	(..)	T50	(..)
Serie / Series	Famiglia connettori / Family connectors 3MS (accoppiamento a vite / thread mating) 3RB (accoppiamento a baionetta / baionet mating)									
Configurazioni / Style	Vedi pag. / See pag. 22									
Classi / Classes	Vedi pag. / See pag. 5									
Disposizione contatti / Contact arrangement	Vedi pag. / See pag. 9									
Contatti maschio (P) o femmina (S) Pin (P) or socket (S) contacts	Vedi pag. / See pag. 7-8									
Caratteristiche contatti / Characteristic's contact	Omettere se saldare / Omit with solder contact B contatti vulcanizzati / Bonded contacts C Contatti a crimpare / Crimp contacts									
Rotazione inserto / Insert rotations	Vedi pag. / Vedi pag. 9-19									
Accessori / Accessories	Contattare l'azienda / Consult factory*									
Mat. e trattamento / Mat. and plating	Vedi tabella sotto* / See table below*									
Speciali / Specials	Contattare l'azienda / Consult factory									



Commtes *S.r.l.*



IRIS
Certification



Certified IPC
Application Specialist

SEDE LEGALE

LEGAL ADDRESS

Via della Cooperazione, 131/B
40059 Medicina (BO) ITALY
Tel: +39 051 856157

SEDE OPERATIVA

PRODUCTION PLANT

C.da Cerratina, 77/1
66034 Lanciano (CH) ITALY
Tel: +39 0872 508057

E-MAIL

info@commtes.it

WEB

www.commtes.it

