





T series

T series connectors have been specifically designed for outdoor applications. They include an inner sleeve and seals to prevent penetration of solids or liquids. This series is watertight when mated to give a protection index of IP68 as per IEC 60529 standard and have the following main features:

- IP68 mated
- Push-Pull self-latching system
- Mechanical key (FGG) with multiple keys to avoid cross-mating
- High packing density for space savings
- 360° shielding for full EMC shielding

- Compatible with existing B sockets
- Same mounting hole as B sockets
- Black-chrome plated brass and plastic outershell available
- Multipole types 2 to 32 contacts
- For cables 1.0 up to 10.5 mm
- Solder, crimp or print contacts

Technical Characteristics

Mechanical and Climatical	Value	Standard
Endurance	> 3000 cycles	IEC 60512-5 test 9a
Humidity	up to 95% at 60°C	-
Temperature range	-55°C, +200°C / (-20°C, +80°C) 1)	-
Resistance to vibration	10-2000 Hz, 15 g	IEC 60512-4 test 6d
Shock resistance	100 g, 6 ms	IEC 60512-4 test 6c
Salt spray corrosion test	> 1000 h	IEC 60512-6 test 11f
Protection index (mated) 2)	IP68/IP66	IEC 60529
Latching retention force (average value)	From 85 N up to 300 N (depending of the size)	-
Climatical category	50/175/21	IEC 60068-1
Electrical	Value	Standard
Shielding efficiency	> 75 dB at 10 MHz / > 40 dB at 1 GHz	IEC 60169-1-3

Material and Treatments

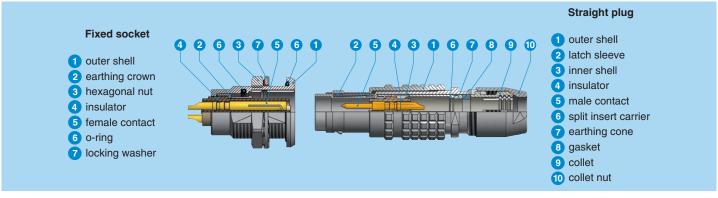
Outershell	and collet nut	Latch sleeve/	earthing crown	Other metallic components			
Material	Surface treatment	Material	Surface treatment	Material	Surface treatment		
Brass	Chrome	Brass/Bronze	Nickel	Brass	Nickel		
Brass	Black chrome 3)	Brass/Bronze	Nickel	Brass	Nickel		
POM	-	Brass/Bronze	Nickel	Brass	Nickel		

Contacts Insulators

Materiai	Contact type	Material
Brass (UNS C 34500)	Male contact	PEEK
Bronze (UNS C 54400)	Female contact	

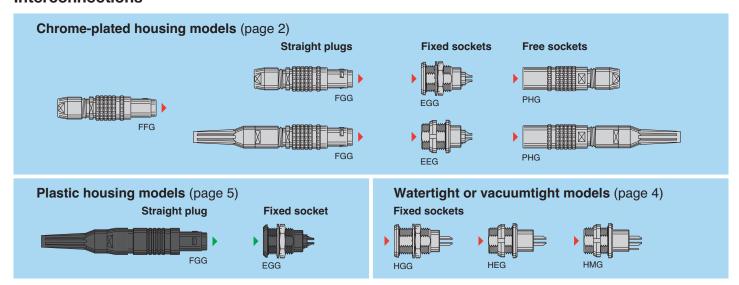
Note: 1) operating temperature is -20°C, +80°C for watertight or vacuumtight models fitted with an FPM (Viton®) o-ring and Epoxy. 2) IP68 achieved providing that the cable is perfectly circular and that assembly process ensures a high integrity seal. 3) Surface not conductive use socket with earthing tag (HMG).

Part Section Showing Internal Components

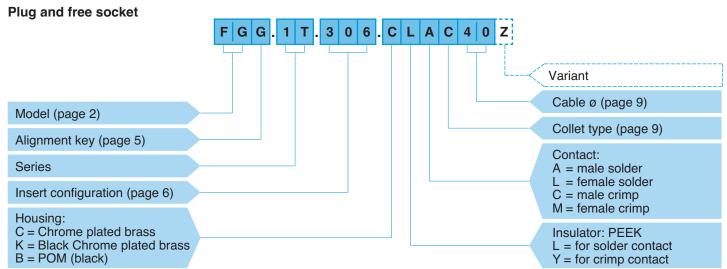




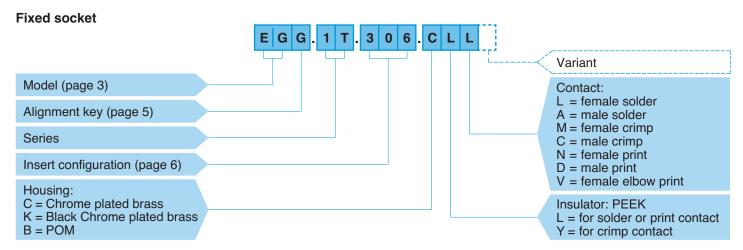
Interconnections



Part Numbering System



FGG.1T.306.CLAC40Z = Straight plug with key (G) and cable collet for bend relief, 1T series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK insulator, male solder contacts, C type collet for 4.0 mm diameter cable and nut for fitting a bend relief.



EGG.1T.306.CLL = fixed socket, nut fixing, with key (G), 1T series, multipole type with 6 contacts, outer shell in chrome-plated brass, PEEK insulator, female solder contacts.

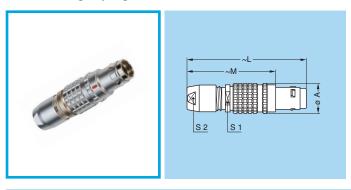
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Chrome-plated housing models

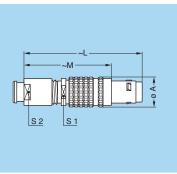
FGG Straight plug, cable collet



Refe	rence		Dime	Cable ø				
Model	Series	Α	L	М	S1	S2	min.	max.
FGG	TT	7.0	33.2	25.2	5.5	5	2.4	3.0
FGG	OT	9.5 39.0 29		29.0	7.5 7		1.0	5.0
FGG	1T	12.0	46.0	35.0	11.0	9	1.3	6.5
FGG	2T	15.0	55.0	43.0	14.0	12	1.3	8.5
FGG	3T	18.8	64.0	49.0	16.0	14	2.6	10.5

FGG Straight plug, cable collet and nut for fitting a bend relief

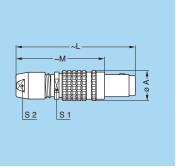




Refe	rence		Dime	Cable ø				
Model	Series	Α	L	М	S1	S2	min.	max.
FGG	TT	7.0	32.7	24.7	5.5	6	2.4	3.0
FGG	OT	9.5 38.0 28.0		7.5	7	1.0	5.0	
FGG	1T	12.0	45.0	34.0	11.0	9	1.3	6.5
FGG	2T	15.0	54.0	42.0	14.0	12	1.3	8.5
FGG	3T	18.8	62.0	47.0	16.0	15	2.6	10.5

FFG Straight plug, non latching, cable collet

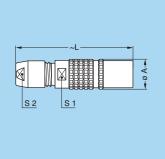




Refe	rence		Dime	nsions	(mm)		Cable ø		
Model	Series	Α	L	M S1		S2	min.	max.	
FFG	TT	7.0	33.2	25.2	6	5	2.4	3.0	
FFG	OT	9.5	39.0	29.0	8	7	1.0	5.0	
FFG	1T	12.0	46.0	35.0	10	9	1.3	6.5	
FFG	2T	15.0	55.0	43.0	13	12	1.3	8.5	
FFG	ЗТ	18.8	64.0	49.0	16	14	2.6	10.5	

PHG Free socket, cable collet





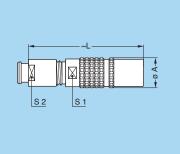
Refe	rence	Dii	mensio	Cable ø			
Model	Series	Α	A L S1 S2		min.	max.	
PHG	TT	7.0	32.0	5.5	5	2.4	3.0
PHG	OT	9.5	38.0	7.5	7	1.0	5.0
PHG	1T	12.0	43.5	11.0	9	1.3	6.5
PHG	2T	15.0	52.0	14.0	12	1.3	8.5
PHG	3T	18.8	61.5	16.0	14	2.6	10.5

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PHG Free socket, cable collet and nut for fitting a bend relief

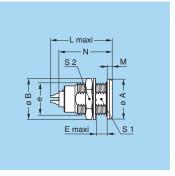




Refe	rence	Di	mensio	Cable ø			
Model	Series	Α	A L S1 S2		min.	max.	
PHG	TT	7.0	31.5	5.5	6	2.4	3.0
PHG	OT	9.5	37.0	7.5	7	1.0	5.0
PHG	1T	12.0	42.5	11.0	9	1.3	6.5
PHG	2T	15.0	51.0	14.0	12	1.3	8.5
PHG	3Т	18.8	60.0	16.0	15	2.6	10.5

EGG Fixed socket, nut fixing



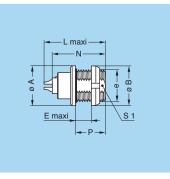


Refe	rence		Dimensions (mm)								
Model	Series	Α	В	е	Е	L	М	N ¹⁾	S1	S2	
EGG	TT	10.0	10.2	M7x0.5	5.5	16.0	1.2	13.5	6.3	9	
EGG	OT	12.0	12.5	M9x0.6	6.0	21.0	1.5	19.1	8.2	11	
EGG	1T	15.5	16.0	M12x1.0	6.0	23.0	1.8	21.5	10.5	14	
EGG	2T	18.5	19.6	M15x1.0	7.5	26.5	1.8	24.6	13.5	17	
EGG	3Т	23.5	25.1	M18x1.0	9.6	30.1	2.5	25.0	16.5	22	

Note: 1) maximum length with crimp contacts.

EEG Fixed socket, nut fixing, back panel mounting

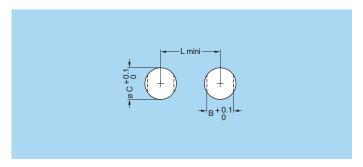




Refe	rence		Dimensions (mm)									
Model	Series	Α	В	е	E L		N ¹⁾	Р	S1			
EEG	TT	10.0	10.0	M7x0.5	4.5	16.0	13.5	7	6.3			
EEG	OT	12.0	12.0	M9x0.6	6.5	21.0	19.1	9	8.2			
EEG	1T	15.5	16.0	M12x1.0	6.5	23.0	21.5	10	10.5			
EEG	2T	18.5	20.0	M15x1.0	7.5	26.5	24.6	11	13.5			
EEG	3 T	23.5	24.0	M18x1.0	7.5	30.1	25.0	12	16.5			

Note: $^{1)}$ maximum length with crimp contacts.

Panel cut-out



Refer	rence	Par	nel cut-	-out	Mounting nut torque		
Model	Series	ВС		L	Metal shell	Plastic shell	
E●●	TT	6.4	7.1	12.5	1.0	0.4	
Eee	OT	8.3	9.1 14.5		2.5	0.4	
Eee	1T	10.6	12.1	18.5	4.5	0.7	
Eee	2T	13.6	15.1	22.5	6.0	0.8	
Eee	3Т	16.6	18.1	27.0	9.0	1.0	

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Watertight or vacuumtight models

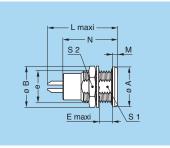
These models are identified by a letter «P» at the end of the reference. Most of these models are also available in a vacuumtight version. Such models are identified by an additional letter «V» at the end of the part number (certificate on request). Epoxy resin is used to seal these models. The temperature range is -20°C / +80°C.

Part Number Example

HGG.0T.305.CLLP (5 contacts, resin potted)
HGG.0T.305.CLLPV (5 contacts, resin potted and vacuumtight tested)

HGG Fixed socket, nut fixing, watertight or vacuumtight

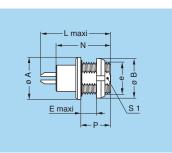




Refe	rence			Dir						
Model	Series	Α	В	е	Е	L	М	N ¹⁾	S1	S2
HGG	TT	10.0	10.2	M7x0.5	5.5	18.0	1.2	15.0	6.3	9
HGG	OT	12.0	12.5	M9x0.6	6.5	22.0	1.5	18.5	8.2	11
HGG	1T	15.5	16.0	M12x1.0	6.0	26.0	1.8	21.5	10.5	14
HGG	2T	18.5	19.6	M15x1.0	8.0	30.5	1.8	25.0	13.5	17

HEG Fixed socket, nut fixing, watertight or vacuumtight, back panel mounting

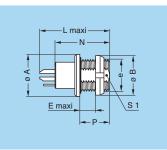




Refer	Reference			Dimensions (mm)								
Model	Series	Α	В	е	Е	L	N	Р	S1			
HEG	TT	10.0	10.0	M7x0.5	4.5	18.0	15.0	7	6.3			
HEG	OT	12.0	12.0	M9x0.6	6.5	22.0	18.5	9	8.2			
HEG	1T	15.5	16.0	M12x1.0	6.5	26.0	21.5	10	10.5			
HEG	2T	18.5	20.0	M15x1.0	7.5	30.5	25.0	11	13.5			

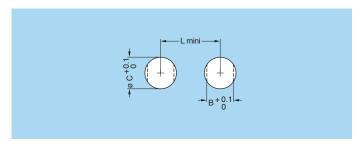
HMG Fixed socket with earthing tag, nut fixing, watertight or vacuumtight, back panel mounting





Refer	rence		Dimensions (mm)								
Model	Series	Α	В	е	Е	L	N	Р	S1		
HMG	TT	10.0	10.0	M7x0.5	4.5	18.0	15.0	7	6.3		
HMG	OT	12.0	12.0	M9x0.6	6.5	22.0	18.5	9	8.2		
HMG	1T	15.5	16.0	M12x1.0	6.5	26.0	21.5	10	10.5		
HMG	2T	18.5	20.0	M15x1.0	7.5	30.5	25.0	11	13.5		

Panel cut-out



Refe	rence	Par	nel cut-	-out	Mounting nut torque				
Model	Series	В	С	L	Metal shell	Plastic shell			
Нөө	TT	6.4	7.1	12.5	1.0	0.4			
Hee	OT	8.3	9.1	14.5	2.5	0.4			
Hee	1T	10.6	12.1	18.5	4.5	0.7			
Hee	2T	13.6	15.1	22.5	6.0	0.8			

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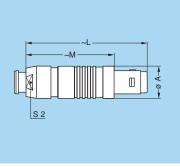
5



Plastic housing models

FGG Straight plug, cable collet and nut for fitting a bend relief, POM outer shell

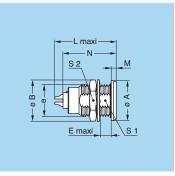




Refe	rence	Di	mensio	m)	Cable ø			
Model	Series	Α	L	М	S2	min.	max.	
FGG	OT	9.7	38.5	28.5	8	1.0	5.0	
FGG	1T	13.0	45.0	34.0	10	1.3	6.5	

EGG Fixed socket, nut fixing, POM outer shell

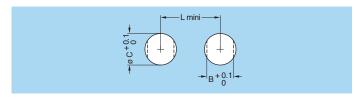




Refe	rence	Dimensions (mm)								
Model	Series	Α	В	е	Е	L	М	N ¹⁾	S1	S2
EGG	ОТ	12.0	12.5	M9x0.6	6.0	21.0	1.5	19.1	8.2	11
EGG	1T	15.5	16.0	M12x1.0	6.0	23.0	1.8	21.5	10.5	14

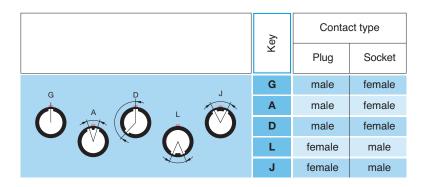
Note: 1) maximum length with crimp contacts.

Panel cut-out



Refer	rence	Panel cut-out						
Model	Series	В	С	L				
Eee	OT	8.3	9.1	14.5				
E●●	E●● 1T		12.1	18.5				

Alignment Key



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Multipole

	Solder o	contacts					Con typ	tact oe			AWG		Sol con	der tact	
		\Rightarrow									Cri	mp	ms)	ms)	
	Crimp o	ontacts	Reference	Series	Contact ø (mm)	Solder	Crimp	Print (straight)	Print (elbow)	Solder (max.)	min.	тах.	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	Rated current (A)
2				TT	0.5	•	•	•		30	32	28	1.00	0.95	5.0
				0T	0.9	•	•	•	•	22	32	20	1.00	1.05	10.0
		(2)	302	1T	1.3	•	•	•	•	20	26	18	1.50	1.35	15.0
				2T	2.0	•	•	•	•	16	18	12	2.10	1.75	25.0
				3T	3.0	•	•			12	14	10	2.10	1.55	35.0
3				TT	0.5	•	•	•		30	32	28	0.80	0.95	3.0
				0T	0.9	•	•	•	•	22	32	20	1.20	0.90	8.0
			303	1T	1.3	•	•	•	•	20	26	18	1.30	1.55	12.0
				2T	1.6	•	•	•	•	18	22	14	2.40	1.85	17.0
				ЗТ	2.0	•	•	•		16	18	12	1.90	1.50	25.0
4				TT	0.5	•	•	•		30	32	28	0.80	0.65	2.0
				0T	0.7	•	•	•	•	22	32	22	0.85	0.70	7.0
			304	1T	0.9	•	•	•	•	22	32	20	1.35	1.45	10.0
				2T	1.3	•	•	•	•	20	26	18	1.85	1.85	15.0
				3T	2.0	•	•	•	•	16	18	12	1.45	1.25	19.0
5															
			305	TT	0.35	•		•		30			0.70	1.00	1.7
5				0T	0.7	•	•	•	•	22	32	22	1.00	0.70	6.5
			305	1T	0.9	•	•	•	•	22	32	20	1.25	1.15	9.0
			303	2T	1.3	•	•	•	•	20	26	18	1.75	1.60	14.0
				ЗТ	1.6	•	•	•		18	22	14	1.90	1.25	19.0
6															
			306	0T	0.5	•	<u>_1)</u>	•	•	28			0.85	0.65	2.5
				1T	0.7	•	•	•	•	22	32	22	1.05	1.20	7.0

Note: 1) available only for connectors fitted with male contacts.

• First choice alternative O Special order alternative

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Multipole

	Solder (contacts					Con typ	tact			AWG		Sol	der tact	
	\Rightarrow	\Rightarrow									Cri	mp	ns)	ns)	
	Crimp o	contacts	Reference	Series	Contact ø (mm)	Solder	Crimp	Print (straight)	Print (elbow)	Solder (max.)	min.	max.	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	Rated current (A)
6				TT	0.35	•				30			0.60	0.75	1.5
			306	2T	1.3	•	•	•	•	20	26	18	1.35	1.45	12.0
				ЗТ	1.6	•	•	•	•	18	22	14	1.60	1.15	17.0
7				0T	0.5	•	<u></u> 1)	•	•	28			0.80	0.70	2.5
		600	307	1T	0.7	•	•	•	•	22	32	22	0.95	1.05	7.0
				2T	1.3	•	•	•	•	20	26	18	1.75	1.60	11.0
	_	_		3T	1.6	•				18	22	14	1.70	1.25	15.0
8			308	1T	0.7	•	•	•	•	22	32	22	0.95	1.15	5.0
8			308	2T 3T	0.9	•	•	•	•	22	32 26	20	1.50	1.25	10.0
9			309	0T 3T	0.5 8x1.3 1x2.0	•	<u></u>	•	•	28 20 16	26 18	18 12	0.60	0.50	2.0 6.0 15.0
10		600		1T	0.5	•	_1)	•	•	28			0.90	1.50	2.5
			310	2T 3T	1.3	•	•	•	•	22	32 26	20 18	1.45	0.90	8.0
4.5															
12			312	0T	0.35	•		•		30			0.80	1.00	1.5
12		683	645	2T	0.7	•	•	•	•	22	32	22	1.25	1.35	7.0
	le e d		312	ЗТ	0.9	•	•	•	•	22	32	20	1.45	1.00	9.0
14		(OO)		1T	0.5	•		•	•	28			0.80	1.20	2.0
			314	2T	0.7	•	•	•	•	22	32	22	1.15	1.35	6.5
				ЗТ	0.9	•	•	•	•	22	32	20	1.20	1.20	9.0

Note: 1) available only for connectors fitted with male contacts.

• First choice alternative O Special order alternative

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Multipole

	Solder o	contacts					Cor ty	itact pe			AWG		Sol	der tact	
		\Rightarrow			(1						Cri	mp	cV rms)	ιV rms)	(A)
	Crimp o	contacts	Reference	Series	Contact ø (mm)	Solder	Crimp	Print (straight)	Print (elbow)	Solder (max.)	min.	max.	Test voltage (kV rms) Contact-contact	Test voltage (kV rms) Contact-shell	Rated current (A)
16			316	1T	0.5	•		•		28			0.80	1.25	1.5
16			316	2T 3T	0.7	•	•	•	•	22	32 32	22	0.95	1.25 0.85	6.0 8.0
				01	0.0					LL		20	1.20	0.00	0.0
18		6600	318	2T	0.7	•	•	•	•	22	32	22	0.85	1.20	5.5
				ЗТ	0.9	•	•	•	•	22	32	20	1.20	1.05	7.0
19		6000													
			319	2T	0.7	•		•		22	32	22	0.95	1.25	5.0
20															
			320	ЗТ	0.7	•	•	•	•	22	32	22	1.00	0.90	6.0
22		668													
			322	3Т	0.7	•	•	•		22	32	22	1.00	0.90	5.5
24															
		0000	324	ЗТ	0.7	•	•	•	•	22	32	22	0.95	0.80	4.0
26		6000		2T	0.5	•		•		28			0.95	1.30	2.0
		(CO)	326	ЗТ	0.7	•	•	•		22	32	22	0.95	0.70	4.0
30		0000													
			330	ЗТ	0.7	•	•	•	•	22	32	22	0.80	0.70	3.5
32		0000													
			332	2T	0.5	•		•		28			0.80	1.20	1.5

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0000

	T	Cable	ø (mm)
	Type	min.	max.
тт	C27	2.4	2.6
	C31	2.7	3.0
ОТ	C10	1.0	1.2
0T	C15	1.3	1.5
	C20	1.6	2.0
	C25	2.1	2.5
	C30	2.6	3.0
	C35	3.1	3.5
	C40	3.6	4.0
	C45	4.1	4.5
	C50	4.6	5.0

	_	Cable	ø (mm)
	Type	min.	max.
4.	C15	1.3	1.5
1 T	C20	1.6	2.0
	C25	2.1	2.5
	C30	2.6	3.0
	C35	3.1	3.5
	C40	3.6	4.0
	C45	4.1	4.5
	C50	4.6	5.0
	C55	5.1	5.5
	C60	5.6	6.0
	C65	6.1	6.5
	K70	6.6	7.0
	K75	7.1	7.5
	K80	7.6	8.0
	K85	8.1	8.5

_	Cable	ø (mm)
Туре	min.	max.
C15	1.3	1.5
C20	1.6	2.0
C25	2.1	2.5
C30	2.6	3.0
C35	3.1	3.5
C40	3.6	4.0
C45	4.1	4.5
C50	4.6	5.0
C55	5.1	5.5
C60	5.6	6.0
C65	6.1	6.5
C70	6.6	7.0
C75	7.1	7.5
C80	7.6	8.0
C85	8.1	8.5
K90	8.6	9.0
K95	9.1	9.5
K10	9.6	10.0
K11	10.1	10.5
	C20 C25 C30 C35 C40 C45 C50 C55 C60 C65 C70 C75 C80 C85 K90 K95	Type min. C15 1.3 C20 1.6 C25 2.1 C30 2.6 C35 3.1 C40 3.6 C45 4.1 C50 4.6 C55 5.1 C60 5.6 C65 6.1 C70 6.6 C75 7.1 C80 7.6 C85 8.1 K90 8.6 K95 9.1 K10 9.6

	_	Cable	ø (mm)
	Type	min.	max.
_	C30	2.6	3.0
I	C35	3.1	3.5
	C40	3.6	4.0
	C45	4.1	4.5
	C50	4.6	5.0
	C55	5.1	5.5
	C60	5.6	6.0
	C65	6.1	6.5
	C70	6.6	7.0
	C75	7.1	7.5
	C80	7.6	8.0
	C85	8.1	8.5
	C90	8.6	9.0
	C95	9.1	9.5
	C10	9.6	10.0
	C11	10.1	10.5
	K11	10.6	12.0
	K12	12.1	12.8
	K13	12.9	13.5
	K14	13.6	14.0
	K15	14.1	15.0

9

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Spare parts for crimp contacts

	_	Insulator p	art number	ø (1	mm)		Cond.	AWG	Contact pa	art number
	Types	Male contact	Female contact	Α	С	Fig.	min.	max.	Male	Female
TT	302/303/304	FGG.00.30•.YL	EGG.00.40•.YL	0.5	0.45	1	32	28	FGG.00.554.ZZC	EGG.00.654.ZZM
0T	302/303	FGG.0B.30●.YL	EGG.0B.40•.YL	0.9	1.10 0.80 0.45	1 2 2	24 26 32	20 22 28	FGG.0B.560.ZZC FGG.0B.561.ZZC FGG.0B.562.ZZC	EGG.0B.660.ZZM EGG.0B.661.ZZM EGG.0B.662.ZZM
	304/305	FGG.0B.30●.YL	EGG.0B.40●.YL	0.7	0.80	2	26 32	22 28	FGG.0B.555.ZZC FGG.0B.556.ZZC	EGG.0B.655.ZZM EGG.0B.656.ZZM
	306/307/309	FGG.0B.30•.YL	-	0.5	0.45	1	32	28	FGG.0B.554.ZZC	-
1T	302/303	FGG.1B.30∙.YL	EGG.1B.40•.YL	1.3	1.40	1 2	20 24	18 20	FGG.1B.565.ZZC FGG.1B.566.ZZC	EGG.1B.665.ZZM EGG.1B.666.ZZM
	304/305	FGG.1B.30•.YL	EGG.1B.40●.YL	0.9	0.80	1 2	24 26	20 22	FGG.1B.560.ZZC FGG.1B.561.ZZC	EGG.1B.660.ZZM EGG.1B.661.ZZM
	306/307/308	FGG.1B.30•.YL	EGG.1B.40•.YL	0.7	0.80	1 2	26 32	22 28	FGG.1B.555.ZZC FGG.1B.556.ZZC	EGG.1B.655.ZZM EGG.1B.656.ZZM
	310/314/316	FGG.1B.3••.YL	-	0.5	0.45	1	32	28	FGG.1B.554.ZZC	-
2T	302	FGG.2B.302.YL	EGG.2B.402.YL	2.0	2.40 1.90	1 2	16 18	12 14	FGG.2B.575.ZZC FGG.2B.576.ZZC	EGG.2B.675.ZZM EGG.2B.676.ZZM
	303	FGG.2B.303.YL	EGG.2B.403.YL	1.6	1.90	1 2	18 22	14 18	FGG.2B.570.ZZC FGG.2B.571.ZZC	EGG.2B.670.ZZM EGG.2B.671.ZZM
	304/305 306/307	FGG.2B.30•.YL	EGG.2B.40●.YL	1.3	1.40 1.10 0.80	1 2 2	20 24 26	18 20 22	FGG.2B.565.ZZC FGG.2B.566.ZZC FGG.2B.567.ZZC	EGG.2B.665.ZZM EGG.2B.666.ZZM EGG.2B.667.ZZM
	308/310	FGG.2B.3••.YL	EGG.2B.4••.YL	0.9	1.10 0.80 0.45	1 2 2	24 26 32	20 22 28	FGG.2B.560.ZZC FGG.2B.561.ZZC FGG.2B.562.ZZC	EGG.2B.660.ZZM EGG.2B.661.ZZM EGG.2B.662.ZZM
	312/314/316 318/319	FGG.2B.3••.YL	EGG.2B.4••.YL	0.7	0.80	1 2	26 32	22	FGG.2B.555.ZZC FGG.2B.556.ZZC	EGG.2B.655.ZZM EGG.2B.656.ZZM
3T	302	FGG.3B.302.YL	EGG.3B.402.YL	3.0	3.20	1	14	10	FGG.3B.580.ZZC	EGG.3B.680.ZZM
	303/304/309	FGG.3B.30•.YL ¹⁾	EGG.3B.40•.YL ¹⁾	2.0	2.40 1.90	1 2	16 18	12 14	FGG.3B.575.ZZC FGG.3B.576.ZZC	EGG.3B.675.ZZM EGG.3B.676.ZZM
	305/306/307	FGG.3B.30•.YL	EGG.3B.40●.YL	1.6	1.90 1.40	1 2	18 22	14 18	FGG.3B.570.ZZC FGG.3B.571.ZZC	EGG.3B.670.ZZM EGG.3B.671.ZZM
	308/309/310	FGG.3B.3••.YL ¹⁾	EGG.3B.4••.YL ¹⁾	1.3	1.40	1 2	20 24	18 20	FGG.3B.565.ZZC FGG.3B.566.ZZC	EGG.3B.665.ZZM EGG.3B.666.ZZM
	312/314 316/318	FGG.3B.3••.YL	EGG.3B.4••.YL	0.9	1.10 0.80 0.45	1 2 2	24 26 32	20 22 28	FGG.3B.560.ZZC FGG.3B.561.ZZC FGG.3B.562.ZZC	EGG.3B.660.ZZM EGG.3B.661.ZZM EGG.3B.662.ZZM
	320/322/324 326/330	FGG.3B.3••.YL	EGG.3B.4••.YL	0.7	0.80 0.45	1 2	26 32	22 28	FGG.3B.555.ZZC FGG.3B.556.ZZC	EGG.3B.655.ZZM EGG.3B.656.ZZM

Note: 1) for 309 type the insulator part number is FGG.3B.309.ML (male contact) and EGG.3B.409.ML (female contact).

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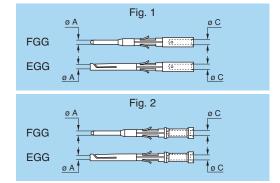


Tools for crimp contacts

		Positioners	Extractors part		
	Types	Male contact	Female contact	number for male/ female contacts	
TT	302/303/304	DCE.91.050.0VC	DCE.91.050.0VM	DCF.91.050.2LT	
ОТ	302/303	DCE.91.090.BVC	DCE.91.090.BVM	DCF.91.090.2LT	
	304/305	DCE.91.070.BVC	DCE.91.070.BVM	DCF.92.070.3LT	
	306/307/309	DCE.91.050.BVC	DCE.91.050.BVM	DCF.91.050.2LT	
1T	302/303	DCE.91.131.BVC	DCE.91.131.BVM	DCF.91.131.2LT	
	304/305	DCE.91.091.BVC	DCE.91.091.BVM	DCF.91.090.2LT	
	306/307/308	DCE.91.071.BVC	DCE.91.071.BVM	DCF.91.070.2LT	
	310/314/316	DCE.91.051.BVC	DCE.91.051.BVM	DCF.91.050.2LT	
2T	302	DCE.91.2	DCC.91.202.5LA ²⁾		
	303	DCE.91.1	DCF.91.162.2LT		
	304/305 306/307	DCE.91.132.BVC DCE.91.132.CVC	DCE.91.132.BVM DCE.91.132.CVM	DCF.91.131.2LT	
	308/310	DCE.91.092.BVC	DCE.91.092.BVM	DCF.91.090.2LT	
	312/314/316 318/319	DCE.91.072.BVC	DCE.91.072.BVM	DCF.91.070.2LT	
3T	302	DCE.91.3	03.BVCM	DCF.91.303.5LT	
	303/304/309	DCE.91.2	03.BVCM	DCC.91.202.5LA ²⁾	
	305/306/307	DCE.91.1	63.BVCM	DCF.91.163.5LT	
	308/309/310	DCE.91.133.BVC	DCE.91.133.BVM	DCF.91.133.5LT	
	312/314 316/318	DCE.91.093.BVC	DCE.91.093.BVM	DCF.91.093.5LT	
	320/322/324 326/330	DCE.91.093.BVG DCE.91.073.BVC	DCE.91.093.BVU DCE.91.073.BVM	DCF.91.073.5LT	

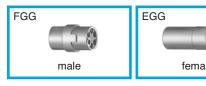
Note: 2) this model is thumb-operated.

FGG-EGG Crimp contacts



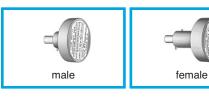
Note: a wide variation of strand number and diameter combinations are quoted as being AWG, some of which do not have a large enough cross section to guarantee a crimp as per either MIL-C-22520/1-01 or /7-01.

FGG-EGG Insulators



Note: each insulator can be used both for crimp contacts of normal shape (fig. 1) or with reduced solder cups (fig. 2).

DCE Positioners ø 0.5, 0.7, 0.9, 1.3 mm



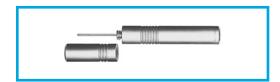
These positioners are suitable for use with both manual and pneumatic crimping tools according to the MIL-C-22520/7-01 standard.

DCE Turret for Ø 1.6, 2.0, 3.0, 4.0 mm



Note: these turrets can be used with manual crimping tool according to MIL-C-22520/1-01 standard.

DCF Automatic extraction tools

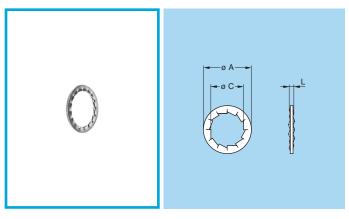


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Spare parts

GBA Locking washers

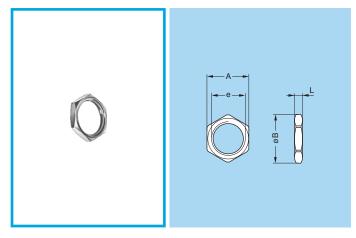


Part number	Series	Dimensions (mm)				
T art flumber	Selles	Α	С	L		
GBA.00.250.FN	TT	9.5	7.1	1.0		
GBA.0S.250.FN	0T	12.5	9.1	1.0		
GBA.1S.250.FN	1T	16.0	12.1	1.0		
GBA.2S.250.FN	2T	19.5	15.1	1.2		
GBA.3S.250.FN	ЗТ	25.0	18.1	1.4		

Note: to order this accessory separately, use the above part numbers.

• Material: Nickel-plated bronze (3 μm)

GEA Hexagonal nuts

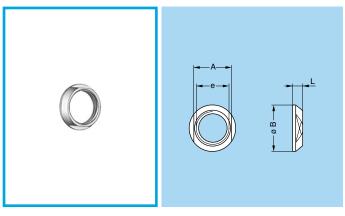


Part number	Series	Dimensions (mm)						
r art number	Selles	Α	В	е	L			
GEA.00.240.LN	TT	9	10.2	M7 x 0.5	2.0			
GEA.0S.240.LN	0T	11	12.4	M9 x 0.6	2.0			
GEA.1S.240.LN	1T	14	15.8	M12 x 1.0	2.5			
GEA.2S.240.LN	2T	17	19.2	M15 x 1.0	2.7			
GEA.3S.240.LN	ЗТ	22	25.0	M18 x 1.0	3.0			

Note: to order this part separately, use the above part numbers. The last letters «LN» of the part number refer to the nut material and treatment. If a nut in aluminium alloy or stainless steel is desired, replace the last letters of the part number by «PT» or «AZ» respectively. See page 17 for the tooling.

lacktriangle Material: Nickel-plated brass (3 μ m), Natural anodized aluminium alloy, Stainless steel

GEC Conical nuts



	Material:	Chrome-	plated	brass	(Ni 3	μm +	- Cr	0.3	μ m))
--	-----------	---------	--------	-------	-------	------	------	-----	----------	---

Part number	Series	Dimensions (mm)						
Fait number	Selles	Α	В	е	L			
GEC.00.240.LC	TT	8	10	M7 x 0.5	2.5			
GEC.0S.240.LC	0T	10	12	M9 x 0.6	2.5			
GEC.1S.240.LC	1T	13	16	M12 x 1.0	3.2			
GEC.2S.240.LC	2T	17	20	M15 x 1.0	3.8			
GEC.3S.240.LC	3T	20	24	M18 x 1.0	4.5			

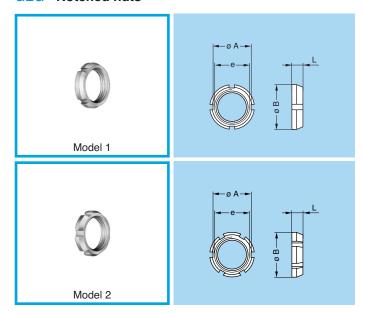
Note: 3T series fixed and free sockets for back panel mounting are always delivered with a conical nut.

To order this accessory separately, use the above part numbers. See page 17 for the tooling.

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GEG Notched nuts



Part number	Series		Dimensions (mm)					
Fait number	Series	Α	В	е	L	Model		
GEG.00.240.LC	TT	8.6	10	M7 x 0.5	2.5	1		
GEG.0S.240.LC	0T	10.5	12	M9 x 0.6	2.5	1		
GEG.1S.240.LC	1T	14.0	16	M12 x 1.0	3.5	1		
GEG.2S.240.LC	2T	17.5	20	M15 x 1.0	3.5	2		

Note: TT, 0T, 1T and 2T series fixed and free sockets for back panel mounting are always delivered with this notched nut. To order this accessory separately, use the above part numbers. See page 18 for the tooling.

• Material: Chrome-plated brass (Ni 3 μ m + Cr 0.3 μ m)

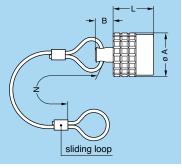
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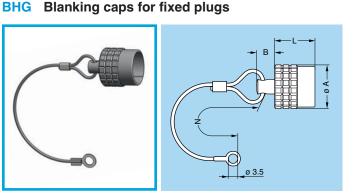
Accessories

Blanking caps for plugs





Sliding loop

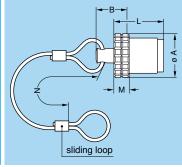


Part number	Dir	mensio	ons (m	Part number	
rait number	Α	В	L	N	r art riumber
BFG.TT.100.CAS	7.0	4.0	9.0	60	BHG.TT.100.CAS
BFG.0T.100.CAS	9.5	5.0	11.0	85	BHG.0T.100.CAS
BFG.1T.100.CAS	12.0	6.0	12.4	85	BHG.1T.100.CAS
BFG.2T.100.CAS	15.0	6.0	13.8	85	BHG.2T.100.CAS
BFG.3T.100.CAS	18.8	6.0	17.6	120	BHG.3T.100.CAS

- Body material: Chrome-plated brass (Ni 3 μ m) Lanyard material: Stainless steel Crimp ferrule material: Nickel-plated brass + polyolefin
- O-ring material: Silicone
- Maximum operating temperature: 135°C
 Watertightness: IP68 according to IEC 60529

BRF Blanking caps for free sockets

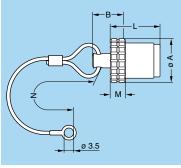




Part number		Dime	nsions	Part number		
r art number	Α	В	L	М	N	Fait number
BRF.TT.200.CAZ	7.0	6.5	10.5	2.5	60	BRE.TT.200.CAZ
BRF.0T.200.CAZ	9.5	7.7	12.7	2.7	85	BRE.0T.200.CAZ
BRF.1T.200.CAZ	12.0	9.5	14.4	3.5	85	BRE.1T.200.CAZ
BRF.2T.200.CAZ	15.0	10.4	16.3	4.4	85	BRE.2T.200.CAZ
BRF.3T.200.CAZ	18.8	11.4	20.2	5.4	120	BRE.3T.200.CAZ

BRE Blanking caps for sockets



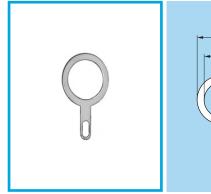


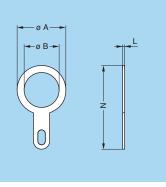
- Body material: Chrome-plated brass (Ni 3 μ m) Lanyard material: Stainless steel Crimp ferrule material: Nickel-plated brass + polyolefin Maximum operating temperature: 135°C Watertightness: IP68 according to IEC 60529

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GCA Earthing washers



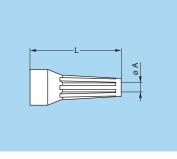


Part number	Corios	Dimensions (mm)					
Fait Humber	Series	Α	В	L	N		
GCA.00.255.LT	TT	9.5	7.1	0.4	18.2		
GCA.0S.255.LT	0T	13.0	9.1	0.4	22.0		
GCA.1S.255.LT	1T	17.0	12.2	0.5	27.5		
GCA.2S.255.LT	2T	20.0	15.2	0.5	32.0		
GCA.3S.255.LT	3T	25.0	18.2	0.5	39.0		

Material: CuSnZn plated brass (2 μm)

Bend relief (TPU)





A bend relief made from thermoplastic polyurethane elastomer can be fitted over LEMO plugs and sockets that are supplied with nut for fitting such bend relief.
They are available in nine different colours match with the

GRÁ insulating washers.

Use the part numbers shown below to order this accessory separately.

	Dord countries.	Bend	relief	Cable ø		
	Part number	Α	L	min.	max.	
тт	GMB.00.025.DG ¹⁾	2.5	22	2.5	2.8	
	GMB.00.028.DG ¹⁾	2.8	22	2.8	3.1	
	GMB.00.032.DG ¹⁾	3.2	22	3.2	3.5	
	GMD.00.025.DG ¹⁾	2.5	22	2.5	2.8	
	GMD.00.028.DG ¹⁾	2.8	22	2.8	3.1	
	GMD.00.032.DG ¹⁾	3.2	22	3.2	3.5	
ОТ	GMA.0B.025.DG	2.5	24	2.5	2.9	
OT	GMA.0B.030.DG	3.0	24	3.0	3.4	
	GMA.0B.035.DG	3.5	24	3.5	3.9	
	GMA.0B.040.DG ¹⁾	4.0	24	4.0	4.4	
	GMA.0B.045.DG ¹⁾	4.5	24	4.5	5.2	
4.7	GMA.1B.025.DG	2.5	30	2.5	2.9	
1T	GMA.1B.030.DG	3.0	30	3.0	3.4	
	GMA.1B.035.DG	3.5	30	3.5	3.9	
	GMA.1B.040.DG	4.0	30	4.0	4.4	
	GMA.1B.045.DG	4.5	30	4.5	4.9	
	GMA.1B.054.DG	5.4	30	5.4	6.0	
	GMA.1B.065.DG ¹⁾	6.5	30	6.5	7.0	

	Dord countries	Bend	relief	Cable ø	
	Part number	Α	L	min.	max.
от	GMA.2B.040.DG	4.0	36	4.0	4.5
2T	GMA.2B.045.DG	4.5	36	4.5	5.0
	GMA.2B.050.DG	5.0	36	5.0	5.5
	GMA.2B.060.DG	6.0	36	6.0	6.5
	GMA.2B.070.DG	7.0	36	7.0	7.7
	GMA.2B.080.DG ¹⁾	7.8	36	7.8	8.8
от	GMA.3B.050.DG ¹⁾	4.5	42	4.5	5.2
3 T	GMA.3B.060.DG	6.0	42	6.0	6.9
	GMA.3B.070.DG	7.0	42	7.0	7.9
	GMA.3B.080.DG	8.0	42	8.0	8.9
	GMA.3B.090.DG	9.0	42	9.0	10.0

Note: all dimensions are in millimetres.

Ref.	Colour	Ref.	Colour
Α	blue	J	yellow
В	white	М	brown
G	grey	N	black

Ref.	Colour
R	red
S	orange
V	green

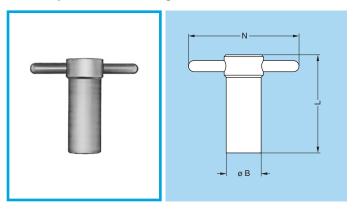
Note: 1) Design may differ from other bend relief, model without stripes. The «GMD» are thin bend reliefs (for very flexible cables). The last letter «G» of the part number indicates the grey colour of the bend relief. For ordering a bend relief with another colour, see table above and replace the letter «G» by the letter of the required colour.

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Tooling

DCG Spanners for hexagonal nuts

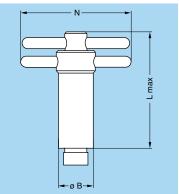


Part number	Series	Dime	nsions	(mm)	Part number
Fait number	Series	В	L	N	of the nut
DCG.91.149.0TN	TT	14	40	50	GEA.00.240.LN
DCG.91.161.1TN	0T	16	45	52	GEA.0S.240.LN
DCG.91.201.4TN	1T	20	52	65	GEA.1S.240.LN
DCG.91.231.7TN	2T	23	62	68	GEA.2S.240.LN
DCG.91.282.2TN	3T	28	76	73	GEA.3S.240.LN

Material: blackened steel

DCA Spanners for hexagonal nuts with locator for flats on socket thread



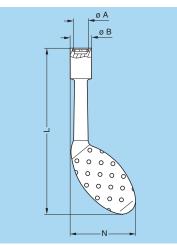


Part number	Series	Dime	nsions	(mm)	Part number
T art number	Series	В	L	N	of the nut
DCA.91.149.0TN	TT	14	65	50	GEA.00.240.LN
DCA.91.161.1TN	0T	16	73	52	GEA.0S.240.LN
DCA.91.201.4TN	1T	20	85	65	GEA.1S.240.LN
DCA.91.231.7TN	2T	23	100	68	GEA.2S.240.LN
DCA.91.282.2TN	ЗТ	28	120	73	GEA.3S.240.LN

Material: blackened steel

DCH Spanners for conical nuts





Part number	Outes		nensio	ns (n	Part number	
Part number	Series	Α	В	L	N	of the nut
DCH.91.101.PN	TT	10.1	12.8	124	48.3	GEC.00.240.LC
DCH.91.121.PN	0T	12.1	14.8	124	49.3	GEC.0S.240.LC
DCH.91.161.PN	1T	16.1	21.0	124	51.9	GEC.1S.240.LC
DCH.91.201.PN	2T	20.1	22.8	129	53.5	GEC.2S.240.LC

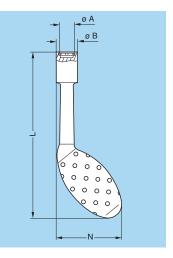
Material: dark grey polyurethane

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DCH Spanners for notched nuts

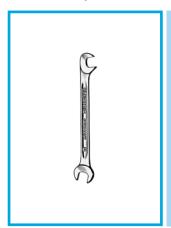


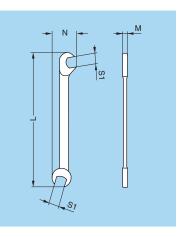


Part number Series		Din	nensio	ns (n	Part number	
Fait fluifibei	Series	Α	В	L	N	of the nut
DCH.91.101.PA	TT	10.1	12.8	124	48.3	GEG.00.240.LC
DCH.91.121.PA	0T	12.1	14.8	124	49.3	GEG.0S.240.LC
DCH.91.161.PA	1T	16.1	21.0	124	51.9	GEG.1S.240.LC
DCH.91.201.PA	2T	20.1	22.8	129	53.5	GEG.2S.240.LC

Material: blue polyurethane

DCP Flat spanners for collet nut



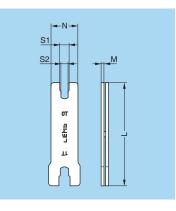


Part number	Series	Dimensions (mm)					
Fait Humbei	Selles	L	М	N	S1		
DCP.99.050.TC	TT	78	2	12.6	5.0		
DCP.99.055.TC	TT	78	2	12.6	5.5		
DCP.99.060.TC	TT	78	2	12.6	6.0		

Material: chrome-plated steel

DCP Set of flat spanners for collet nuts





Part number	Series		Dime	nsions	(mm)	
Part number	Series	L	М	N	S1	S2
DCP.0T.110.TN	0T	95	2.5	21	7.55	7.05
DCP.0T.110.TN	1T	95	2.5	25	11.05	9.05
DCP.2T.110.TN	2T	115	3.0	30	14.05	12.05
DCP.2T.110.TN	ЗТ	115	3.0	35	16.05	14.05

Material: blackened steel

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Crimping tools for electrical contacts

Manual crimping tools



Part n		
contact ø 0.5-0.7 0.9-1.3 (Fig. A)	Supplier	
DPC.91.701.V ¹⁾	DPC.91.101.A ²⁾	LEMO
MH860 ¹⁾	AF8 ²⁾	DANIELS
616336 ¹⁾	615708 ²⁾	ASTRO

- According to specification MIL-C-22520/7-01.According to specification MIL-C-22520/1-01.

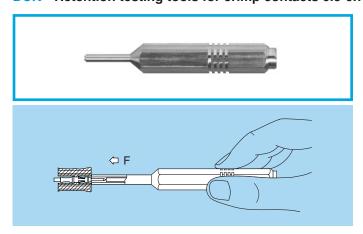
Pneumatic crimping tools



Part number	Supplier
DPC.91.701.C	LEMO
85230	BALMAR
621101	BUCHANAN

According to specification MIL-C-22520/7-01. For LEMO contacts ø 0.5-0.7-0.9-1.3 mm

DCK Retention testing tools for crimp contacts 0.5-0.7-0.9 and 1.3 mm diameter



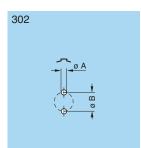
Testing tool	0	T	
For male contact	For female contact	Contact ø A	Test force (N)
DCK.91.050.8LRC	DCK.91.050.8LRM	0.5	8
DCK.91.071.0LRC	DCK.91.071.0LRM	0.7	10
DCK.91.091.4LRC	DCK.91.091.4LRM	0.9	14
DCK.91.132.5LRC	DCK.91.132.5LRM	1.3	25

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PCB drilling pattern

Fixed socket with straight print contact



Ocatac	Dimensions		
Series	Α	В	
TT	0.6	1.2	
ОТ	0.8	2.2	
1T	0.8	2.8	
2T	0.8	4.4	



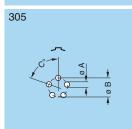
Carria	Dimensions		
Series	Α	В	С
TT	0.6	1.35	120°
ОТ	0.8	2.30	120°
1T	0.8	3.00	120°
2T	0.8	4.60	120°
3 T	0.8	5.60	120°

304	
	C° V V

Cariaa	Dimensions		
Series	Α	В	С
TT	0.6	1.6	45°
OT	0.6	2.5	45°
1T	0.8	3.1	45°
2T	0.8	5.0	45°
3T	0.8	6.2	45°

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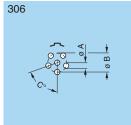
Carias		Dimensions	;
Series	Α	В	С
TT	0.5	1.7	72°



Series	Dimensions		
Series	Α	В	С
OT	0.6	2.8	72°
1T	0.8	3.4	72°
2T	0.8	5.2	72°
3T	0.8	6.7	72°

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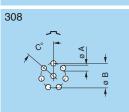
Carrian	Dimensions		3
Series	Α	В	С
OT	0.6	3.0	60°
1T	0.8	3.7	60°



Series	Dimensions		
Series	Α	В	С
2T	0.8	5.6	72°
ЗТ	0.8	7.1	72°

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Ouring	Dimensions				
Series	Α	В	С		
OT	0.6	3.00	60°		
1T	0.8	3.70	60°		
2T	0.8	5.80	60°		
3T	8.0	7.08	60°		



Corios	Dimensions				
Series	Α	В	С		
1T	0.8	3.8	51°26'		
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Series	Dimensions				
	Α	В	С		
2T	0.8	6.4	45°		
3T	0.8	7.5	45°		

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Carias	Dimensions				
Series	Α	В	С		
OT	0.6	3.2	45°		
3T	0.8	7.5	45°		

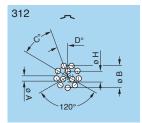
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Carrian	Dimensions					
Series	Α	В	С	D	Н	
1T	0.6	3.95	45°	22°30'	1.40	
2T	0.8	6.30	45°	22°30'	2.15	
3T	8.0	7.90	45°	22°30'	2.80	

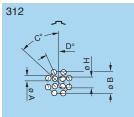
Note: all views are from the side of the socket.

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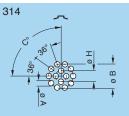




		Dii	mensio	ons	
Series	Α	В	С	D	Н
OT	0.5	3.3	40°	20°	1.25



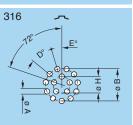
Series	Dimensions					
	А	В	С	D	Ι	
2T	0.8	6.50	45°	22°30'	2.80	
3T	0.8	8.20	45°	22°30'	3.40	



Ozwia	Dimensions					
Series	АВ		С	Н		
1T	0.6	4.4	90°	1.90		
2 T	0.8	6.5	90°	2.65		
3Т	8.0	8.2	90°	3.40		

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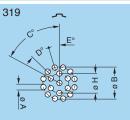
Carrias		Dimer	nsions	
Series	Α	В	D	Н
1T	0.6	4.4	32°44'	2.0



Ozvisa	Dimensions				
Series	Α	В	D	Е	Н
2T	0.8	6.6	32°44'	16°22'	3.10
3Т	8.0	8.4	32°44'	16°22'	3.86

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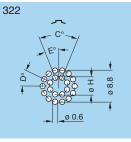
Carria	Dimensions						
Series	Α	В	С	D	Е	Н	
2T	8.0	6.7	60°	30°	15°	3.50	
3T	0.8	8.4	60°	30°	15°	4.34	



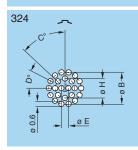
Osados)imer	nsion	S	
Series	Α	В	С	D	Е	Н
2T	8.0	6.7	60°	30°	15°	3.5

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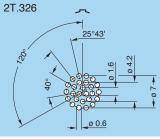
O a vita a		Dimer	nsions	
Series	В	С	D	Н
3Т	8.62	51°26'	27°42'	4.78

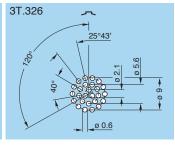


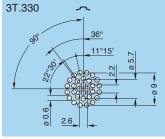
Ozaria	Ozvisa		Dimer	sions	
Series	5	С	D	Е	Н
ЗТ		45°	25°43'	22°30'	5

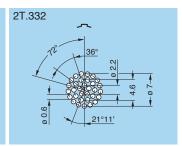


O a via a		D	imensic	ns	
Series	B C D E H				
3T	8.8	45°	25°43'	1.8	5.30









Note: all views are from the side of the socket.

Metal collet nut tightening torque

Maximum metal collet nut tightening torque			
0.25			
0.70			

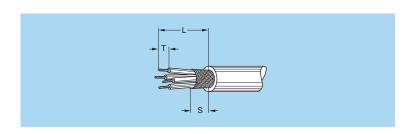
Series	Maximum metal collet nut tightening torque
1T	0.80
2T	2.00

Series	Maximum metal collet nut tightening torque			
ЗТ	3.00			

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Cable assembly

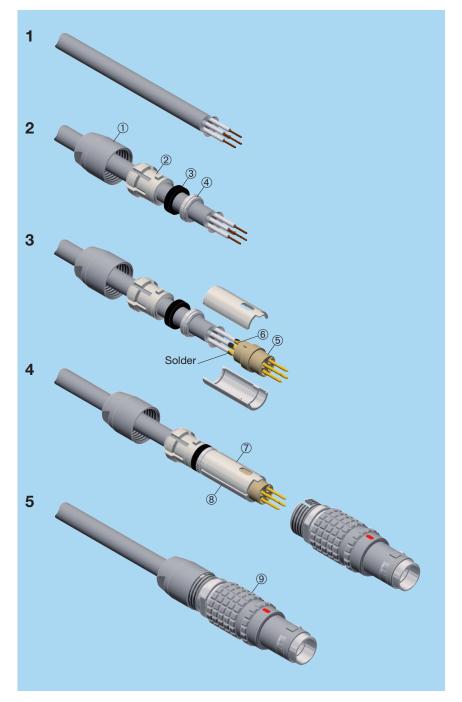


		act	Ca	able st	rippin	g lengt	lengths (mm)		
	Reference	ø contact (mm)	Solder			Crimp			
	302		L	S 4	Т	11.0	S 4	Т	
TT		0.5	8.0	,	2.5			3.0	
	303	0.5	8.0	4	2.5	11.0	4	3.0	
	304	0.5	8.0	4	2.5	11.0	4	3.0	
0T	302/303	0.9	9.0	5	4.0	9.0	5	4.0	
	304/305	0.7	8.0	5	3.5	9.0	5	4.0	
	306/307/309	0.5	7.0	5	2.5				
	312	0.35	7.0	5	2.5				
1T	302/303	1.3	10.5	7	3.5	14.5	7	4.0	
	304/305	0.9	10.5	7	3.0	14.5	7	4.0	
	306/307/308	0.7	10.5	7	3.0	14.5	7	4.0	
	310/314/316	0.5	13.0	7	2.5				
2T	302	2.0	16.5	8	4.0	19.5	8	5.5	
	303	1.6	16.5	8	3.5	19.5	8	5.5	
	304/305/306/307	1.3	15.5	8	3.5	17.5	8	4.0	
	308/310	0.9	14.5	8	3.0	17.5	8	4.0	
	312/314/316/318/319	0.7	14.5	8	3.0	17.5	8	4.0	
	326/332	0.5	14.5	8	2.5				
3Т	302	3.0	19.0	10	4.5	23.0	10	5.5	
	303/304	2.0	18.0	10	4.0	22.0	10	5.5	
	305/306/307	1.6	18.0	10	3.5	22.0	10	5.5	
	308/310	1.3	17.0	10	3.5	20.0	10	4.0	
	309	1.3 2.0	17.0	10	3.5 4.0	20.0	10	4.0 5.5	
	312/314/316/318	0.9	16.0	10	3.0	20.0	10	4.0	
	320/322/324/326/330	0.7	16.0	10	3.0	20.0	10	4.0	

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Terminating of plugs with solder contacts and cable collet



Cable preparation

1. Strip the cable according to the given dimensions. (The end of the cable jacket must be cut properly).

Cable termination

- 2. Slide it into the collet nut ①, the collet ②, the gland ③ and the earthing cone ④.
- In case of a screened cable, fold screen back over the extremity of the earthing cone.
 Arrange the conductors according to the insulator § marking by avoiding to twist them.
 Fit conductor into the contacts
 § and solder.
 Verify that insulator and insulation remain clean.
- 4. Locate the slotted upper half ⑦ of the split insert carrier over the shoulder and key on the insulator then align and press together the other half ® to form a complete cylinder.

Push the earthing cone against the insert carriers whilst checking that the screen is being clamped around the whole circumference and cut, if necessary, the excess screen.

Push the gland, and collet against the earthing cone. Push the cable forward and verify that cable jacket is located under the gland.

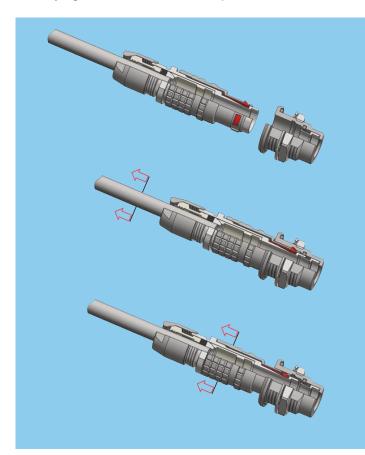
Locate the key of the collet into the slot of the shell. Finally screw the collet nut with the appropriate tool and tighten to the maximum torque value (see page 20).

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LEMO's Push-Pull Self-Latching Connection System

This self-latching system is renowned worldwide for its easy and quick mating and unmating features. It provides absolute security against vibration, shock or pull on the cable, and facilitates operation in a very limited space.



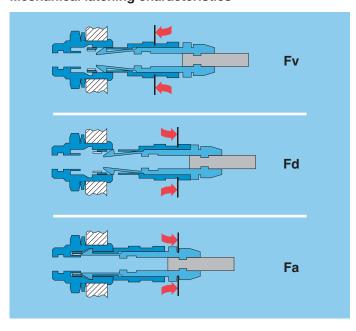
The LEMO self-latching system allows the connector to be mated by simply pushing the plug axially into the socket.

Once firmly latched, connection cannot be broken by pulling on the cable or any other component part other than the outer release sleeve.

When required, the connector is disengaged by a single axial pull on the outer release sleeve. This first disengages the latches and then withdraws the plug from the socket.

Technical characteristics

Mechanical latching characteristics



Keyed watertight series

Force	Series							
(N)	TT	0T	1T	2T	ЗТ			
Fv	14	15	16	20	28			
Fd	12	13	14	15	24			
Fa	80	130	250	250	400			

Notes: forces were measured on outer shells **not fitted with contacts. Mechanical endurance:** 3000 cycles. Average pull force (Fa) with axial pull on the collet nut is about 50% of Fa values after 3000 cycles. The values were measured according to the standard IEC 60512-7 test 13a.

1N = 0.102 kg.

F_v: average latching force.

F_d: average unmating force with axial pull on the outer shell.

Fa: average pull force with axial pull on the collet nut

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Note:

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Product safety notice

PLEASE READ AND FOLLOW ALL INSTUCTIONS CAREFULLY AND CONSULT ALL RELEVENT NATIONAL AND INTERNATIONAL SAFETY REGULATIONS FOR YOUR APPLICATION.
IMPROPER HANDLING, CABLE ASSEMBLY, OR WRONG USE OF CONNECTORS CAN RESULT IN HAZARDOUS SITUATIONS.

1. SHOCK AND FIRE HAZARD

Incorrect wiring, the use of damaged components, presence of foreign objects (such as metal debris), and / or residue (such as cleaning fluids), can result in short circuits, overheating, and / or risk of electric shock.

Mated components should never be disconnected while live as this may result in an exposed electric arc and local overheating, resulting in possible damage to components.

2. HANDLING

Connectors and their components should be visually inspected for damage prior to installation and assembly. Suspect components should be rejected or returned to the factory for verification.

Connector assembly and installation should only be carried out by properly trained personnel. Proper tools must be used

Connector assembly and installation should only be carried out by properly trained personnel. Proper tools must be used during installation and / or assembly in order to obtain safe and reliable performance.

3. USE

Connectors with exposed contacts should never be live (or on the current supply side of a circuit). Under general conditions voltages above 30 VAC and 42 VDC are considered hazardous and proper measures should be taken to eliminate all risk of transmission of such voltages to any exposed metal part of the connector.

4. TEST AND OPERATING VOLTAGES

The maximum admissible operating voltage depends upon the national or international standards in force for the application in question. Air and creepage distances impact the operating voltage; reference values are indicated in the catalog however these may be influenced by PC board design and / or wiring harnesses.

The test voltage indicated in the catalog is 75% of the mean breakdown voltage; the test is applied at 500 V/s and the test duration is 1 minute.

5. CE MARKING CE

CE marking (means that the appliance or equipment bearing it complies with the protection requirements of one or several European safety directives.

CE marking (€ applies to complete products or equipment, but not to electromechanical components, such as connectors.

6. PRODUCT IMPROVEMENTS

The LEMO Group reserves the right to modify and improve to our products or specifications without providing prior notification.

Data subject to change

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