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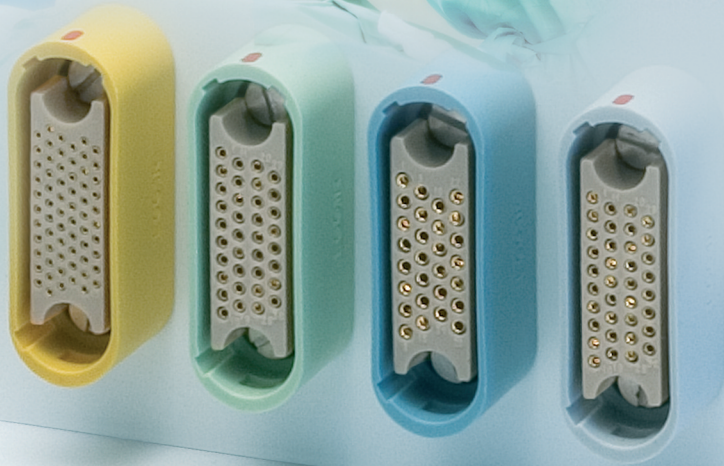
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**PLASTIC R SERIES
CONNECTORS**

R SERIES



 **LEMO**

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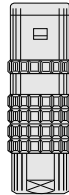
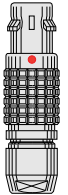
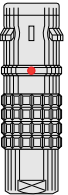

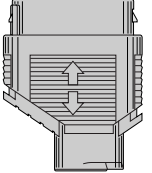
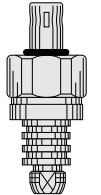
General Production Program

Connectors	<ul style="list-style-type: none"> Unipole from 2 to 150 Amps Coaxial 50 and 75 Ω Coaxial 50 Ω (NIM-CAMAC) Coaxial 50 Ω for frequency → 12 GHz Multicoaxial 50 and 75 Ω ● Multipole from 2 to 66 contacts Multipole up to 106 contacts High Voltage 3, 5, 8, 10, 15, 30 and 50 kV cc Multi High Voltage 3, 5, and 10 kV cc Triaxial 50 and 75 Ω Quadrax ● Mixed: High Voltage (HV) + Low Voltage (LV) ● Mixed: Coax + LV Mixed: Triax + LV Thermocouple Multithermocouple Fiber optic singlemode Fiber optic multimode ● Mixed: fiber optic + LV Mixed: fiber optic + coax + LV Fluidic Multifluidic ● Mixed: fluidic + LV Subminiature Miniature Plastic Printed circuit board Remote handling Watertight Sealed (pressure and/or vacuum) ● With plastic outer shell With aluminum outer shell With stainless steel outer shell With special radiation resistant insulator material With screw thread coupling for very high pressure With microswitch
Patch Panels	<ul style="list-style-type: none"> For audio-mono applications: triax For audio-mono applications: 3 contacts For audio-stereo applications: quadrax For audio-stereo applications: 6 contacts For video applications: coax 75 Ω For video HDTV applications: 3 coax 75 Ω + 2LV

Patch Panels	For fiber optic applications
Adapters	For BNC, C, UHF, N, CINCH, GEN-RADIO connectors For TNC, SMA connectors
Accessories	<ul style="list-style-type: none"> ● Insulator for crimp contacts ● Crimp contacts ● Coaxial contacts Triaxial contacts ● Fiber optic contacts ● Fiber optic ferrules Caps Bend relief Heatshrink boot Insulating washers Double plastic panel washers Locking washers Tapered washers Hexagonal nuts Conical nuts Round nuts Notched nuts Earthing washers Lead-through with cable collet
Tooling	<ul style="list-style-type: none"> Wrenches Assembly tool Pliers Taps ● Crimping tools ● Positioners Crimping dies ● Extractors Banding tool Retention testing tool for crimp contacts Fiber optic termination workstation Fiber optic polishing tools
On request	<ul style="list-style-type: none"> Filtered connectors Connectors with special housing Mixed special configuration Assembly onto cable

● Connectors, accessories and tools found in this catalog.

Main Characteristics and Types

							
Series	STANDARD	WATERTIGHT	KEYED	KEYED WATERTIGHT	HARSH ENVIRONMENTS	RECTANGULAR	SCREW
	01 (Minax)	0E to 6E	00 (multipole)	0K to 5K	FF to 5F	RR / OR / 1R	03
	00 (NIM-CAMAC)	3T	0B to 5B	2N to 5N			0V to 5V
	00 (unipole)	4M	2G / 5G				0W to 5W
	05 / R0						2U to 5U
	0S to 6S						0M-1M-2M
	0A / 4A						
	1D / 2C						
	1Y-3Y-6Y						
Latching	Push-Pull						Screw
Key	Stepped insert (Half-Moon)		Key (G) or other key-way code	Key (N) or other key-way code		Key G or A	Key (G) or stepped insert (Half-Moon)
Shell	Metal or plastic	Metal	Metal or plastic	Metal		Plastic	Metal
Insert	Hermaphroditic or cylindrical		Cylindrical			Rectangular	Hermaphroditic or cylindrical
Contact	Solder or print		Solder, crimp or print		Crimp or print	Crimp or print	Solder (crimp or print)

Series and Types

	Series	Types																				
		Unipole	Coaxial 50 Ω	Coaxial 75 Ω	Multipole	High Voltage	Triaxial 50 Ω	Triaxial 75 Ω	Quadrx	Multi HV	Multi Coaxial	Mixed HV+LV	Mixed Coax+LV	Mixed Triax+LV	Fiber Optic	Multi FO	Mixed FO+LV	Fluidic	Multi fluidic	Mixed fluidic+LV	Thermocouple	
Standard	01		●																			
	00	●	●				●											●				
	05					●																
	R0		●																			
	0A		●	●																		
	0S	●	●		●	●	●															●
	1S	●	●	●	●	●	●															●
	2S	●	●	●	●	●	●	●				●										●
	3S	●	●	●	●	●	●	●		●		●										
	4S	●	●	●	●	●	●	●		●	●	●	●									
	5S	●	●	●	●					●	●	●	●	●								
	6S				●						●		●									
	1D								●													
	2C		●		●																	
4A							●															
1Y-3Y-6Y					●																	
Watertight	0E	●	●		●	●	●														●	
	1E	●	●	●	●	●	●														●	
	2E	●	●	●	●	●	●				●										●	
	3E	●	●	●	●	●	●		●		●	●										
	4E	●	●	●	●		●	●			●	●	●									
	5E	●			●				●	●	●	●	●									
	6E				●					●		●	●									
	3T			●				●														
4M						●	●															
Keyed	00				●										●						●	
	0B				●										●			●			●	
	1B				●						●										●	
	2B				●				●	●	●	●	●	●			●			●	●	
	3B				●					●	●	●	●	●		●	●		●	●	●	
	4B				●					●	●	●	●	●		●	●		●	●		
	5B				●					●	●	●	●	●		●						
	2G				●																	
5G								●														
Keyed watertight	0K				●						●			●				●			●	
	1K				●						●										●	
	2K				●					●	●	●	●			●				●	●	
	3K		●		●					●	●	●	●	●		●	●		●	●	●	
	4K				●					●	●	●	●	●		●	●		●	●		
	5K				●					●	●	●	●	●		●						
	FF to 5F 2N to 5N				●																	
Rectangular	RR				●							●										
	0R				●						●	●								●		
	1R				●						●	●								●		
Screw	03		●		●																	
	0V	●	●		●		●														●	
	1V	●	●	●	●		●														●	
	2V	●	●	●	●		●	●													●	
	3V	●	●	●	●		●	●		●		●	●									
	4V	●	●	●	●		●	●				●	●									
	5V	●			●				●	●	●	●										
	0W to 5W				●						●	●	●	●			●				●	
	2U to 5U				●										●	●	●					
	0M to 2M				●																	

Note: ● = included in this catalog, ● = available but not included in this catalog.

LEMO's Push-Pull Self-Latching Connection System

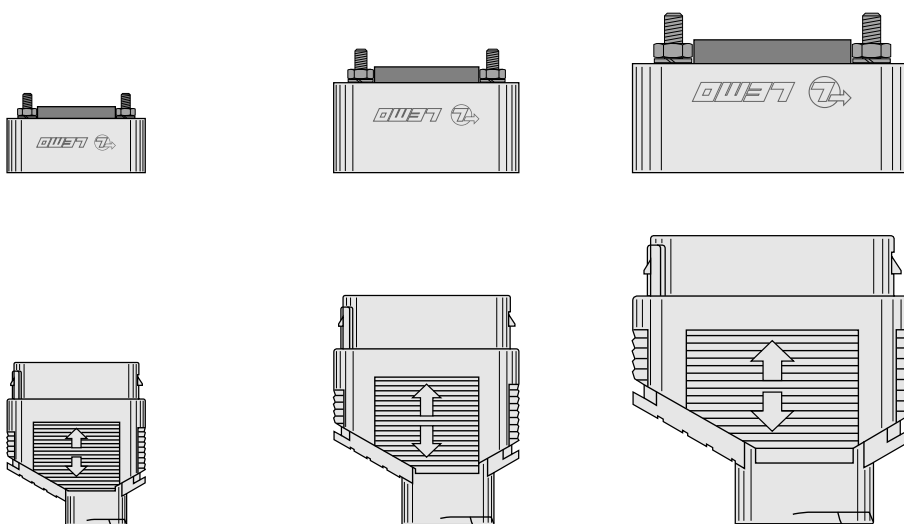
This self-latching system is renowned worldwide for its easy and quick mating and unmating features. It provides absolute security against vibration, shock or pull on the cable, and facilitates operation in a very limited space.

The plug and the receptacle can be mated by simply pushing axially the outer shell of the plug.

Pulling on the cable or any other component of the plug than the outer release sleeve cannot break the connection.

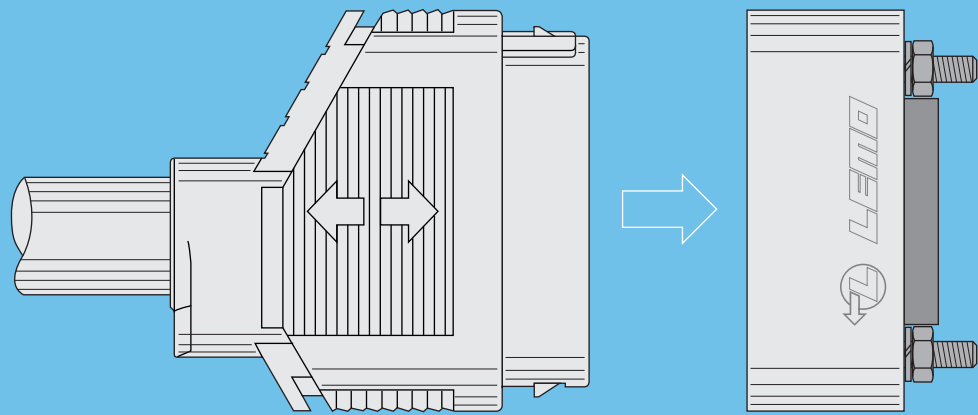
The connector can be unmated by a single axial pull on the plug outer release sleeve.

R Series Production Program



Series		RR	OR	1R
Cable ø range (mm)	min.	1.0	1.5	2.0
	max.	4.0	6.2	9.2
Number of contacts (multipole)		13	10, 17, 37	28, 36, 67
Number of contacts (mixed HV+LV)		-	4 HV + 4 LV, 2 HV + 13 LV	8 HV + 3 LV
Number of contacts (mixed coax+LV)		1 coax + 4 LV	4 coax + 4 LV, 2 coax + 13 LV	8 coax + 3 LV
Number of contacts (mixed fluidic+LV)		-	4 fluidic + 4 LV, 2 fluidic + 13 LV	8 fluidic + 3 LV

Note: «LV» stands for low voltage.



R SERIES

R Series

The R series is a rectangular connector with high pin density in a flat profile. It uses LEMO's well proven Push-Pull latching system for a smooth, hassle free connection. The ergonomic and flat profile offers high panel density, in a wide choice of colors for excellent visual aesthetics.

The R series is made of lightweight polyester resin Crastin® PBT from Dupont™. The high flexibility of its design enables various contact configuration, such as multipole, coaxial, high voltage and fluidic.

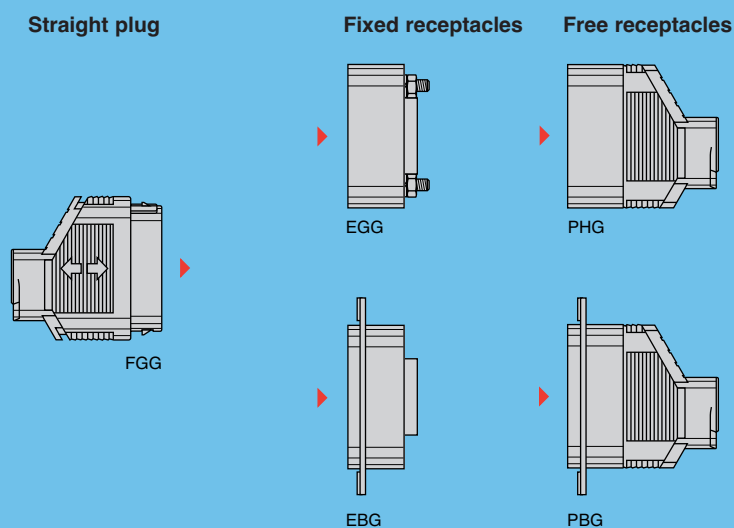
R series connectors provide the following main features:

- plastic shell for lightweight yet rugged structure
- push-pull latching enable fast and secure connections
- crimp or printed circuit contacts
- choice of 4 colors for aesthetics and quick identification
- high pin density for improved panel space
- 3 sizes and various models for design choices
- standard or hybrid pin configurations for flexibility
- thin footprint for reduced rack space and high density panel.

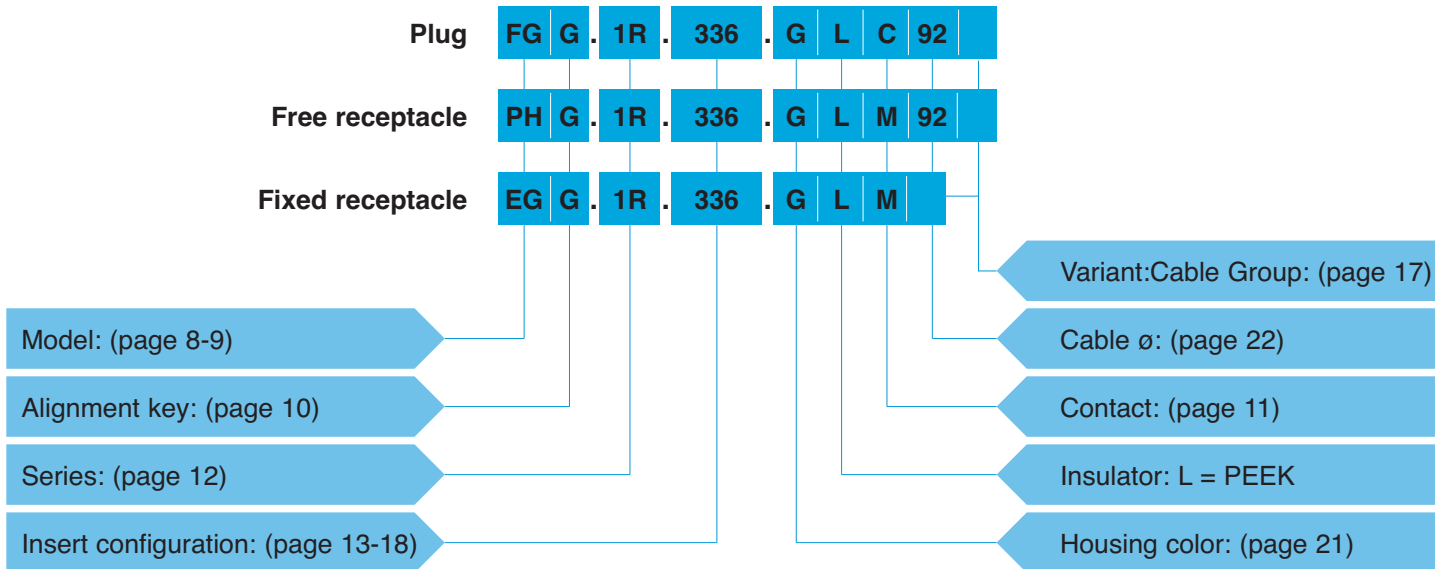
The R series, is initially designed to interconnect systems in medical application where aesthetics and safety is required. This connector series can also be used for test & measurement, aerospace and automotive testing, where an extensive number of contacts are needed in a limited space.

Plastic material used for manufacturing insulators is selected according to the required electric and thermal properties. The thermoplastic used is PEEK (Polyether-Etherketone) with the addition of glass fibers to improve mechanical characteristics and to increase dielectric strength.

Plastic housing models



Part Numbering System



Part Number Example

Straight plug with cable collet:

FGG.1R.336.GLC92 = straight plug with key (G) and cable collet, 1R series, multipole type with 36 contacts, outer shell in gray PBT, PEEK insulator, male crimp contacts, collet for 9.2 mm maximum diameter cable.

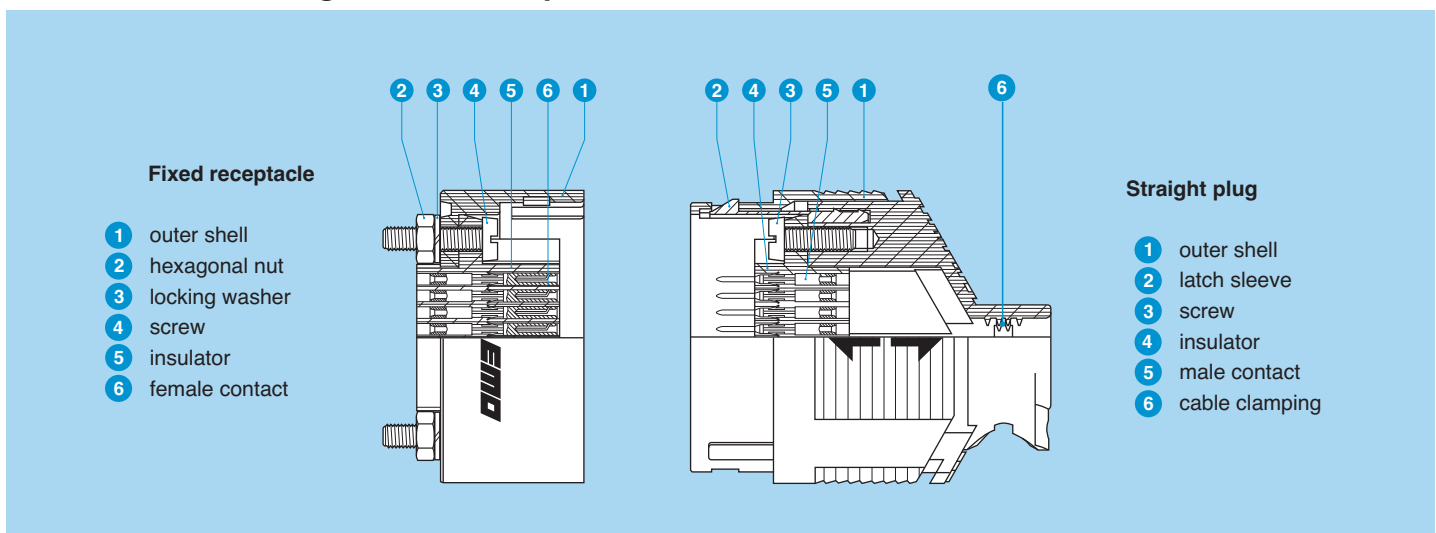
Free receptacle:

PHG.1R.336.GLM92 = free receptacle with key (G) and cable collet, 1R series, multipole type with 36 contacts, outer shell in gray PBT, PEEK insulator, female crimp contacts, collet for 9.2 mm maximum diameter cable.

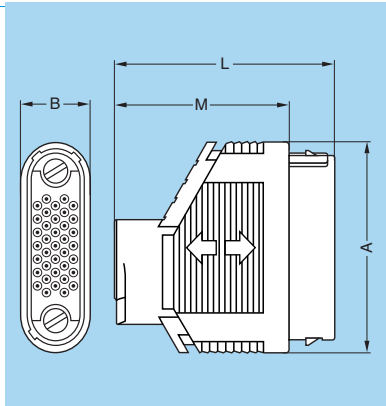
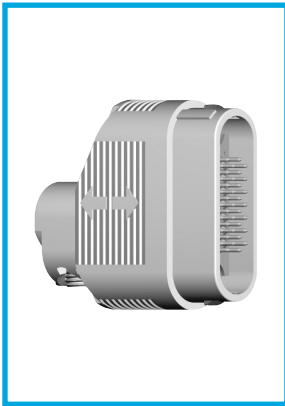
Fixed receptacle:

EGG.1R.336.GLM = fixed receptacle, nut fixing, with key (G), 1R series, multipole type with 36 contacts, outer shell in gray PBT, PEEK insulator, female crimp contacts.

Part Section Showing Internal Components

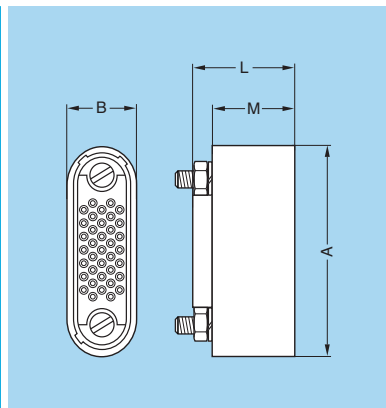


▶ **Housing models**



FGG Straight plug, key (G) or key (A), with cable collet

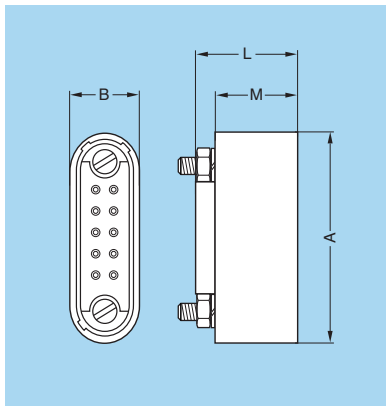
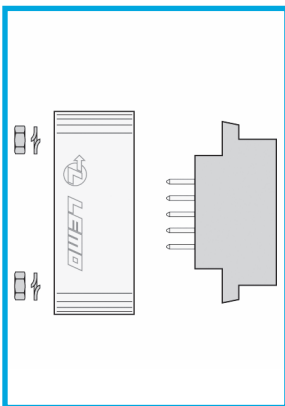
Reference		Dimensions (mm)			
Model	Series	A	B	L	M
FGG	RR	18.0	6.0	21.5	17.0
FGG	0R	24.5	9.0	30.5	23.5
FGG	1R	37.0	12.5	39.0	31.0



EGG Fixed receptacle, key (G) or key (A) with visible shell

Reference		Dimensions (mm)			
Model	Series	A	B	L	M
EGG	RR	18.0	6.0	12.0	7.0
EGG	0R	24.5	9.0	14.0	12.0
EGG	1R	37.0	12.5	18.0	14.5

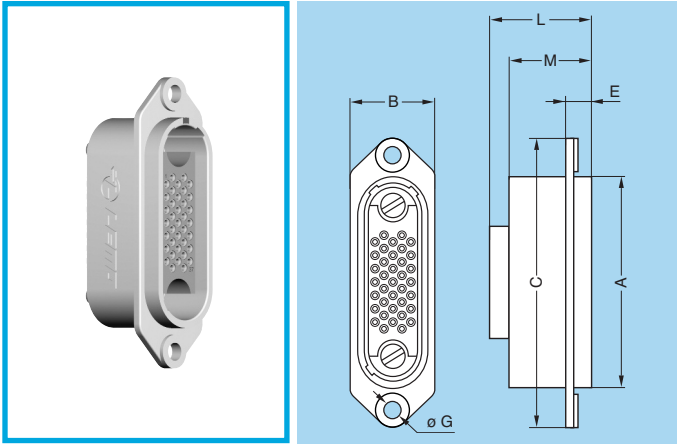
P1 Panel cut-out page 26)



EGG Fixed receptacle, key (G) or key (A) with visible shell and contacts for printed circuit

Reference		Dimensions (mm)			
Model	Series	A	B	L	M
EGG	RR	18.0	6.0	12.0	7.0
EGG	0R	24.5	9.0	14.0	12.0
EGG	1R	37.0	12.5	18.0	14.5

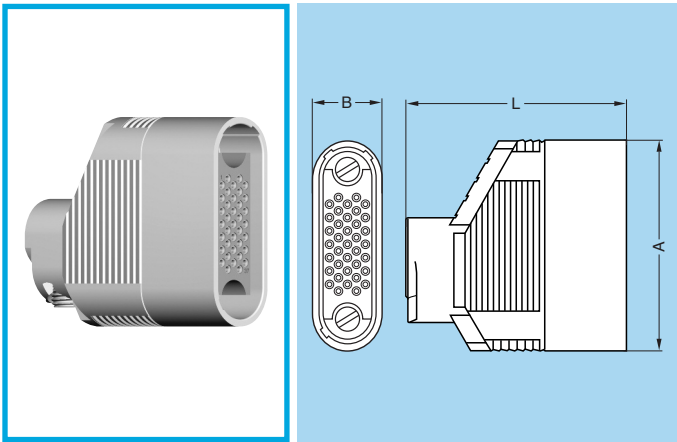
P1 Panel cut-out page 26)



EBG Fixed receptacle, key (G) or key (A), with flange

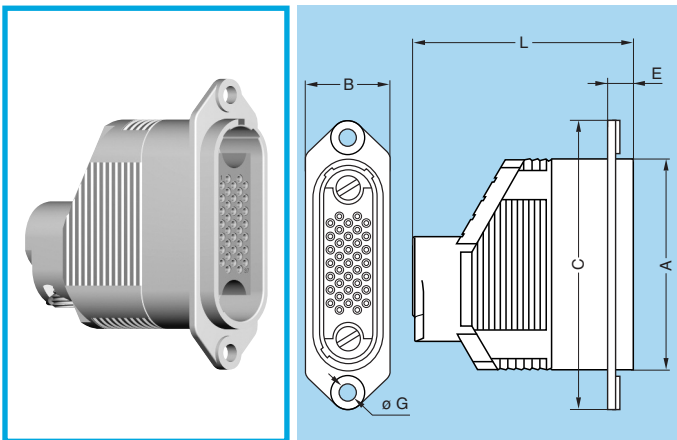
Reference		Dimensions (mm)						
Model	Series	A	B	C	E	G	L	M
EBG	1R	37.0	15.0	51.0	4.5	3.2	19.5	14.5
EBG	0R	24.5	10.5	24.5	3.2	2.2	18.0	12.0

P2 Panel cut-out page 26



PHG Free receptacle, key (G) or key (A), with cable collet

Reference		Dimensions (mm)		
Model	Series	A	B	L
PHG	RR	18.0	6.0	22.3
PHG	0R	24.5	9.0	31.5
PHG	1R	37.0	12.5	39.0



PBG Fixed receptacle, key (G) or key (A), with flange and cable collet

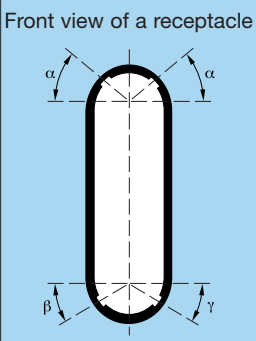
Reference		Dimensions (mm)						
Model	Series	A	B	C	E	G	L	
PBG	1R	37.0	15.0	51.0	4.5	3.2	39.0	
PBG	0R	24.5	10.5	34.5	3.2	2.2	31.5	

P2 Panel cut-out page 26

Alignment Key

Alignment Key and Polarized Keying System

R series connector model part numbers are composed of three letters. The LAST LETTER indicates the key position.

Front view of a receptacle 	Model	Nb of keys	Angles	Series			Contact type		Note
				RR	0R	1R	Plug	Receptacle	
				●●G	2	α	50°	50°	
			β	30°	30°	30°	male	female	●
	●●A	2	α	42°	42°	42°	male	female	○
			γ	30°	30°	30°	male	female	○

- First choice alternative
- Special order alternative

Crimp Contacts

Contacts for plugs, free or fixed receptacles

Ref.	Contact type	Ref.	Contact type
C	Male crimp (fig. 1) ¹⁾	P	Female crimp (fig. 2) ¹⁾
B	Male crimp (fig. 2) ¹⁾	U	Female crimp (fig. 2) ¹⁾
G	Male crimp (fig. 2) ¹⁾	N	Female straight print
M	Female crimp (fig. 1) ¹⁾		

Note: ¹⁾ there are two forms of crimp barrels. Please consult adjacent table for contact selection

Dimension of crimp barrels










Contact			Ref. contact type		Conductor			
ø A (mm)	ø C (mm)	Form per fig.	Male	Female	AWG		Section (mm ²)	
					min.	max.	min.	max.
0.5	0.45	1	C	M	32	28	0.035	0.09
					26	22	0.140	0.34
0.7	0.80	1	C	M	32	28	0.035	0.09
	0.45	2	B	P	24	20	0.250	0.50
0.9	1.10	1	C	M	26	22 ¹⁾	0.140	0.34
	0.80	2	B	P	32	28	0.035	0.09
	0.45	2	G	U				

Contacts reference for plugs, free or fixed receptacles

Contact type	Reference		Contact			Conductor			
	Male	Female	ø A (mm)	ø C (mm)	Form per fig.	Stranded			
						AWG		Section (mm ²)	
min.	max.	min.	max.						
<div style="text-align: center;">Crimp</div>	C	M	0.5	0.45	1	32	28	0.035	0.09
	C	M				0.7	26	22 ¹⁾	0.140
	B	P	32	28	0.035		0.09		
	C	M	0.9	24	20	0.250	0.50		
	B	P		26	22 ¹⁾	0.140	0.34		
	G	U		32	28	0.035	0.09		
<div style="text-align: center;">Print</div>	-	N	C dimensions are detailed in the section on PCB drilling pattern. See page 26.						

Note: ¹⁾ for a given AWG, the diameter of some stranded conductor designs is larger than the crimp barrel diameter. Make sure that the maximum conductor diameter is smaller than ø C.

Mixed / Hybrid Overview

Size	Ref	Number of LV Contacts	Diameter	Number of Hybrid Contact and Type	Insert
RR	804	4	0.5mm	1 coax, 50 ohm	
OR	004	4	0.7mm	4 pneumatic/fluidic 5 bars max pressure 3mm tube diameter	
OR	704	4	0.7mm	4 high voltage 2.7 kV rms (test volt) 7.5 kV dc (test volt)	
OR	804	4	0.7mm	4 coax, 50 ohms	
OR	813	13	0.7mm	2 coax, 50 ohm	
1R	003	8	0.9mm	8 pneumatic/fluidic 5 bars max pressure 3 mm tube diameter	
1R	703	3	0.9mm	8 high voltage 2.7 kV rms (test volt) 7.5 kV dc (test volt)	
1R	803	3	0.9mm	8 coax, 50 ohm	
1R	855	22 33	0.5mm 0.7mm	1 coax, 50 ohm	

Insert configuration

Multipole

		Reference	Number of contacts	ø A (mm)	Contact type			Crimp contact Test voltage (kV rms) ¹⁾ Contact-contact	Rated current (A) ¹⁾	
	Male crimp contacts	Female crimp contacts			Crimp	Print (straight)	Print (elbow)			
RR			313	13	0.5	●	●	-	0.6	0.5
OR			310	10	0.9	●	●	-	1.5	3.5
			317	17	0.7	●	●	●	1.35	2.0
			337	37	0.5	●	●	-	0.6	0.5
1R			328	28	0.9	●	●	-	1.5	3.0
			336	36	0.7	●	●	-	1.5	2.5
			365	65	0.5	●	●	-	0.6	0.5
			367	67	0.5	●	●	-	0.6	0.5

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Mixed: High Voltage + Low Voltage

		Reference	High Voltage (HV)			Low Voltage (LV)				
Male HV contacts	Female HV contacts		Number of Contacts	Test voltage (kV dc) ¹⁾	Rated current (A)	Number of contacts	ø A (mm)	Crimp	Test voltage (kV rms) ¹⁾ Contact-contact	Rated Current (A) ¹⁾
0R		704	4	7.5	2.0	4	0.7	●	1.35	2.0
		713	2	7.5	2.0	13	0.7	●	1.35	3.0
1R		703	8	7.5	2.0	3	0.9	●	1.5	3.5

Plug/Receptacle includes HV contacts.

Male

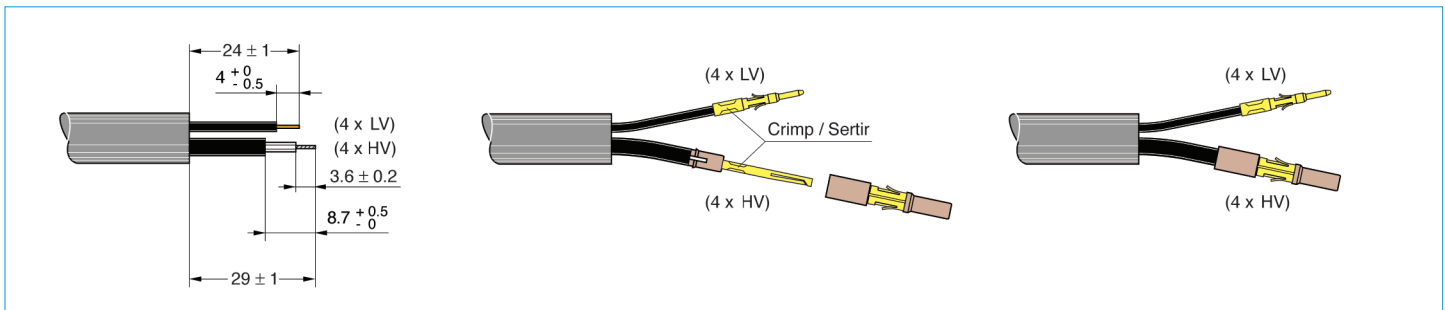


Female



Typical Assembly of High Voltage Contact

HV Contacts: Fit the HV sleeve onto the cable dielectric, check that all the HV conductor strands pass through the small hole. Crimp the contact using tool DPC.91.701.V fitted with positioner DCE.91.051.BVCM, set to position 3. Fit by turning the HV sub-assembly on the HV sleeve and push until it butts. The two insulators should be at the same level.



HV Contact	Conductor Range	26-28 AWG
HV Contact	Maximum Dielectric	1.5mm

Mixed Coax + Low Voltage

		Reference	Coax				Low voltage (LV)					
Male coax contacts	Female coax contacts		Number of contacts	Impedance (Ω)	Type	Cable group	Number of contacts	ϕ A (mm)	Crimp contact	Test voltage (kV rms) ¹⁾	Rated current (A) ¹⁾	
RR			804	1	0.5	RR	1	4	0.5	●	0.6	0.5
OR			804	4	50	OR	1	4	0.7	●	1.35	2
			813	2	50	OR	1	13	0.7	●	1.35	2
1R			803	8	50	1R	1	3	0.9	●	1.5	3
			855	1	50	1R	1	22 33	0.5 0.7	● ●	0.6 1.35	0.5 2.0

Plug/Receptacle includes Coax contacts.

Male

FGG.0R.250.ZLME28

Coax contact
Contact coax



Female

EGG.0R.250.ZLCE28

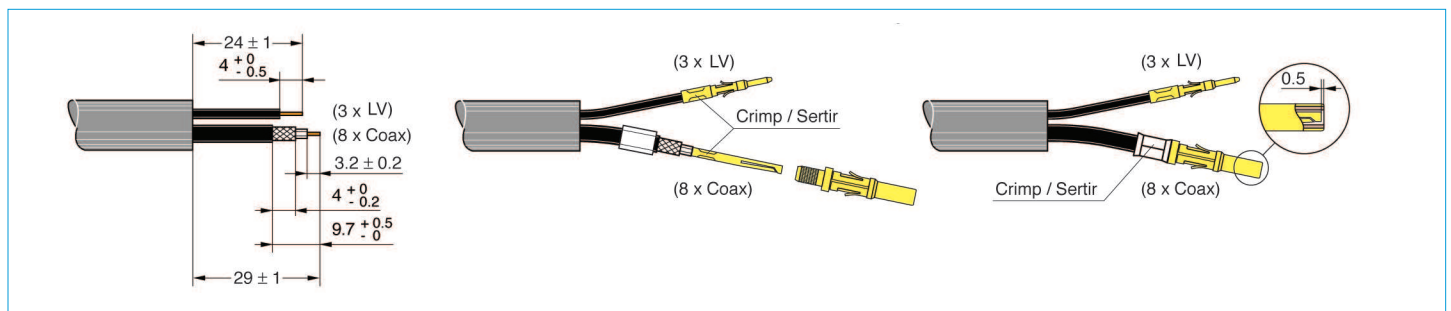
Coax contact
Contact coax



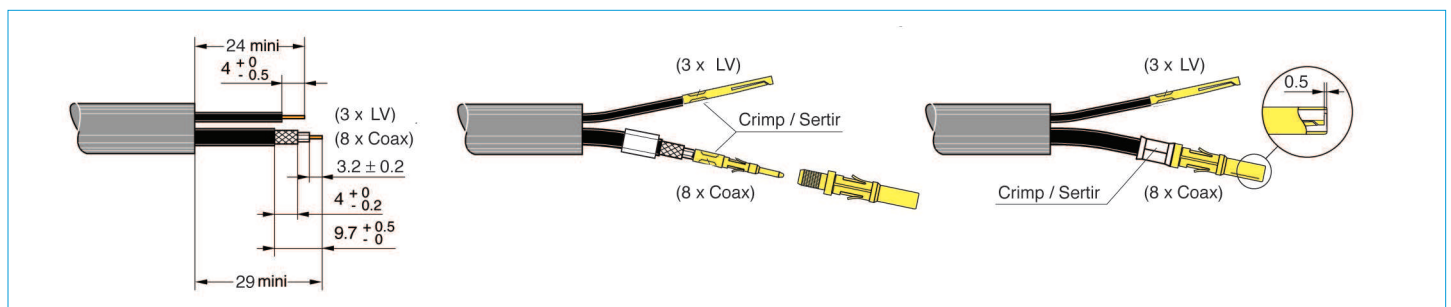
Typical Assembly of Coax Contact (Coax Types - RG-174/U, RG-188 A/U, RG-316/U) = Cable Group 1

Coax contacts: Fit the crimp ferrule onto the cable. Crimp the contact using tool DPC.91.701.V fitted with postioner DCE.91.050.RVCM, set to position 3. Fit by turning the coax sub-assembly on the central contact until the stop is reached, check that the central contact is in the correct position in relation to the sub-assembly (0.5 mm), fold back the cable screen, place the crimp ferrule over the crimping area and complete the crimp using tool DPE.99.003.1K.

Male

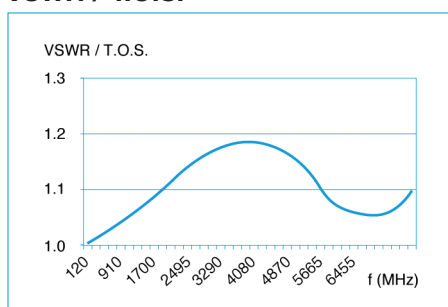


Female



Typical Performance

VSWR / T.O.S.



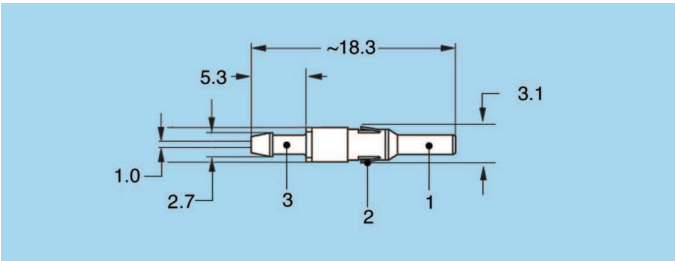
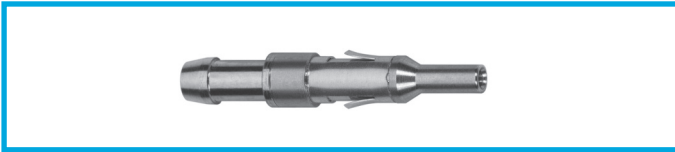
Mixed: Fluidic + Low Voltage

		Reference	Fluidic			Low voltage (LV)				
Male fluidic contacts	Female fluidic contacts		Number of contacts	Flow (l/min)	Operating pressure (bars)	Number of contacts	ø A (mm)	Crimp contact	Test voltage (kV rms) ¹⁾	Rated current (A) ¹⁾
0R		004	4	8	5	4	0.7	●	1.35	2.0
		013	2	8	5	13	0.7	●	1.35	2.0
1R		003	8	8	5	3	0.9	●	1.5	3.0

Plug includes FGG.0R.010.AZA05 (w/ valve) contacts.
 Receptacle includes EGG.0R.010.AZL05 (w/o valve) contacts.

▶ **Fluidic / Pneumatic Contacts**

Fluidic / pneumatic male contact



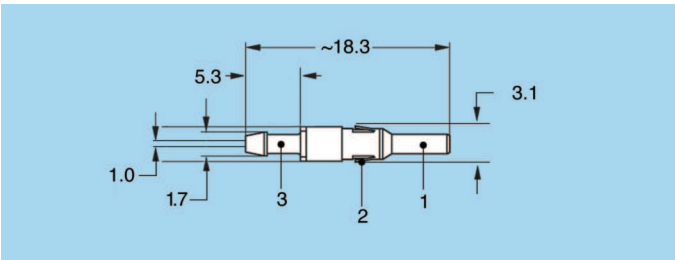
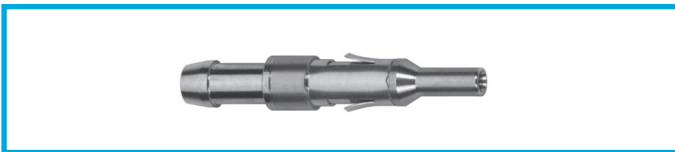
FGG.0R.010.AZA05 Male fluidic / pneumatic contact

Part number

FGG.0R.010.AZA05 (2.7mm hose barb and valve)

Note: 3 – Hose fitting/ barb, 2 – retaining clips, 1 – male sleeve

Fluidic / pneumatic male contact



FGG.0R.010.AZL05 Male fluidic / pneumatic contact

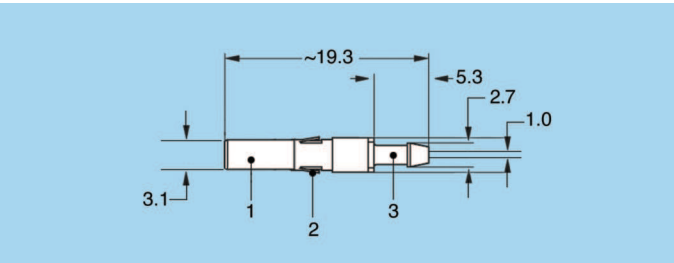
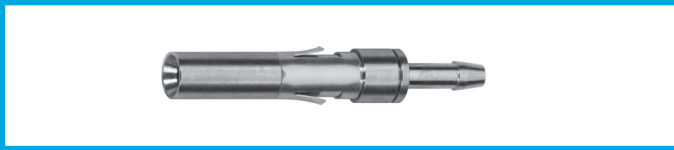
Part number

FGG.0R.010.AZL05 (1.7mm hose barb and non-valve)

Note: 3 – Hose fitting/ barb, 2 – retaining clips, 1 – male sleeve

▶ **Fluidic / Pneumatic Contacts**

Fluidic / pneumatic female contact

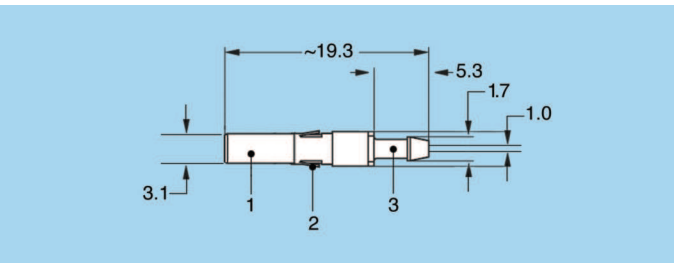
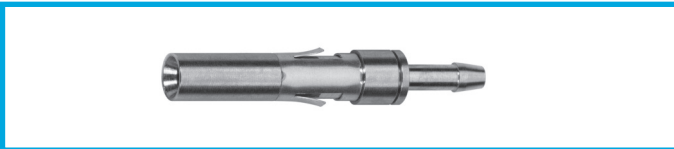


EGG.0R.010.AZA05 Female fluidic / pneumatic contact

Part number
EGG.0R.010.AZA05 (2.7mm hose barb and valve)

Note: 1 – female sleeve, 2 – retaining clips, 3 – Hose fitting/ barb,

Fluidic / pneumatic female contact



EGG.0R.010.AZL05 Female fluidic /pneumatic contact

Part number
EGG.0R.010.AZL05 (1.7mm hose barb and non-valve)

Note: 1 – female sleeve, 2 – retaining clips, 3 – Hose fitting/ barb,




Housings

Ref.	Color	RAL code
G	gray	7035
A	blue	6034
S	ochre	1028
V	green	6019

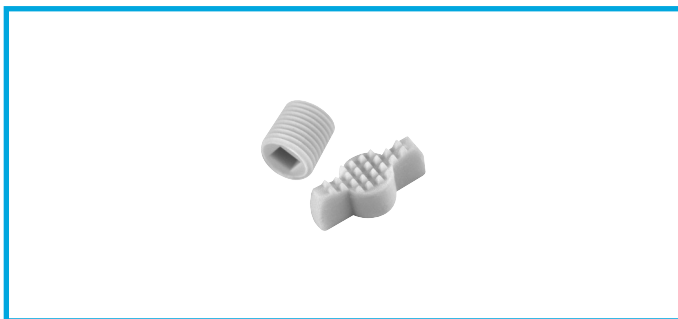
The exact color depends on manufacturing process and material pigments. For this reason some colors may differ from present RAL code.

Note: the connector shell material is Crastin® PBT.

Accessories

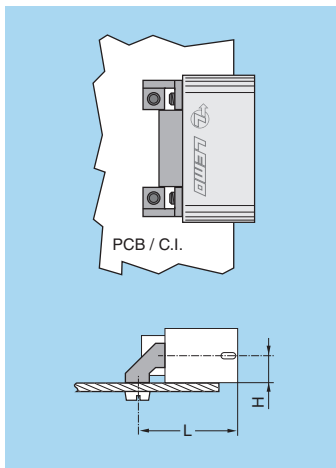
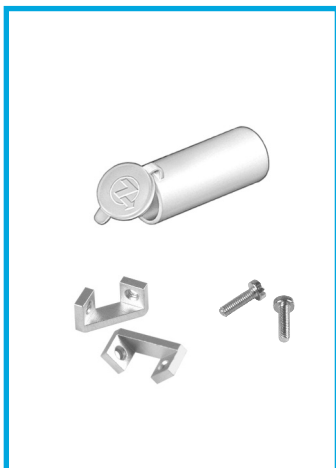


Collets



FGG Kit for cable clamping

Part number	Series	Collet size	min.	max.
FGG.RR.740.IZG	RR	40	1.0	4.0
FGG.0R.762.IZG	0R	62	1.6	6.2
FGG.1R.792.IZG	1R	92	2.0	9.2



GEE Bracket

Part number	Series	Dimensions (mm)	
		L	H
GEE.RR.145.NZZ	RR	10.00	3.00
GEE.RR.146.NZZ		12.25	5.25
GEE.RR.147.NZZ		14.00	7.00
GEE.0R.145.NZZ	0R	16.50	4.50
GEE.0R.146.NZZ		18.25	6.25
GEE.0R.147.NZZ		22.50	10.50
GEE.1R.145.NZZ	1R	20.75	6.25
GEE.1R.146.NZZ		25.00	10.50
GEE.1R.147.NZZ		32.50	18.00

- Body material: Brass (UNS C 34500)
- Screws: Brass (UNS C 34500)

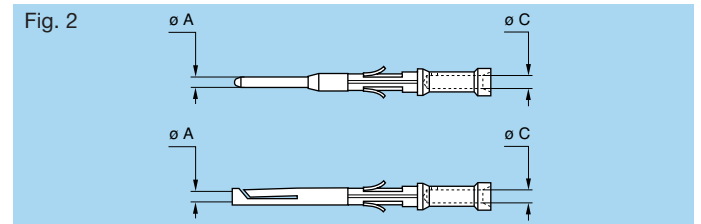
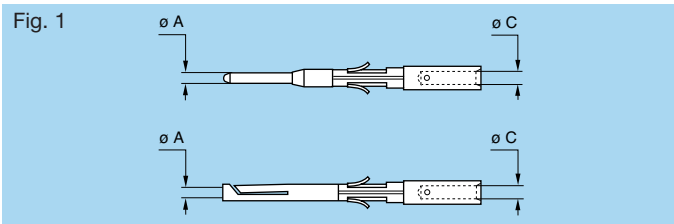
Spare parts



FGG-EGG Insulators for crimp contacts

	Type	Insulator part number	
		Male contact	Female contact
RR	313	FGG.RR.313.YL	EGG.RR.413.YL
OR	310	FGG.OR.310.YL	EGG.OR.410.YL
	317	FGG.OR.317.YL	EGG.OR.417.YL
	337	FGG.OR.337.YL	EGG.OR.437.YL
1R	328	FGG.1R.328.YL	EGG.1R.428.YL
	336	FGG.1R.336.YL	EGG.1R.436.YL
	365	FGG.1R.365.YL	EGG.1R.465.YL
	367	FGG.1R.367.YL	EGG.1R.467.YL

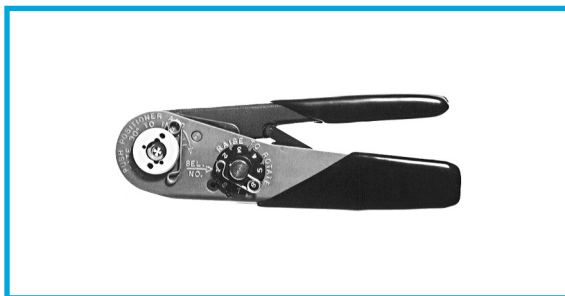
FGG-EGG Crimp contacts



	Types	ϕA (mm)	ϕC (mm)	Contact part number	
				Male	Female
RR	313	0.5	0.45	FGG.00.554.ZZC	EGG.00.654.ZZM
OR	310	0.9	1.10	FGG.0B.560.ZZC	EGG.0B.660.ZZM
	317	0.7	0.80	FGG.0B.555.ZZC	EGG.0B.655.ZZM
	337	0.5	0.45	FGG.00.554.ZZC	EGG.00.654.ZZM
1R	328	0.9	1.10	FGG.0B.560.ZZC	EGG.0B.660.ZZM
	336	0.7	0.80	FGG.0B.555.ZZC	EGG.0B.655.ZZM
	365/367	0.5	0.45	FGG.0B.554.ZZC	EGG.1B.654.ZZM

	Types	ϕA (mm)	ϕC (mm)	Contact part number	
				Male	Female
OR	310	0.9	0.80	FGG.0B.561.ZZC	EGG.0B.661.ZZM
	310	0.9	0.45	FGG.0B.562.ZZC	EGG.0B.662.ZZM
	317	0.7	0.45	FGG.0B.556.ZZC	EGG.0B.656.ZZM
1R	328	0.9	0.80	FGG.0B.561.ZZC	EGG.0B.661.ZZM
	328	0.9	0.45	FGG.0B.562.ZZC	EGG.0B.662.ZZM
	336	0.7	0.45	FGG.0B.556.ZZC	EGG.0B.656.ZZM

Tooling



Manual crimping tools

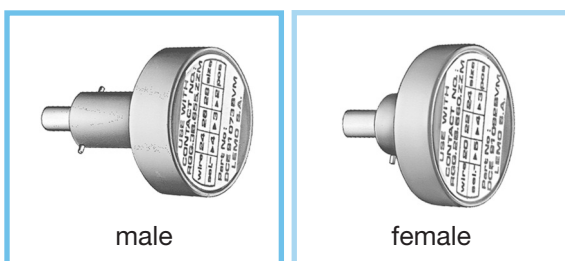
Supplier	Part number
	contact ϕ 0.5-0.7-0.9
LEMO	DPC.91.701.V ¹⁾
DANIELS	MH860 ¹⁾
ASTRO	616336 ¹⁾

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



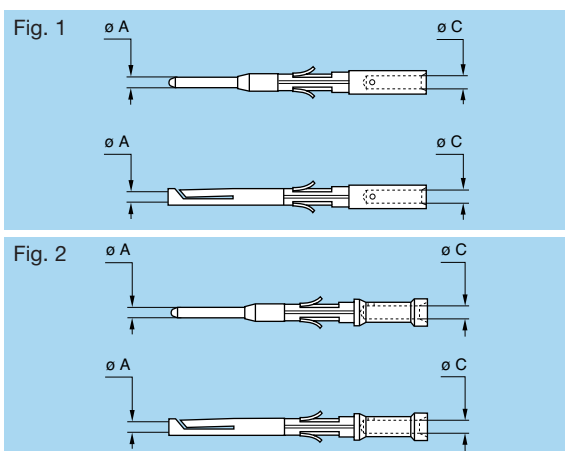
DPE Manual crimping tool w/ die for coax contacts

Part number	Cable group
DPE.99.003.1K	1



DCE Positioners for crimp contacts ϕ 0.5-0.7 and 0.9 mm

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



	Connector + Contact					Positioners part number			
	Type	ϕ A	ϕ C	\bar{L} (mm)	Conductor AWG	For male contact	For female contact		
RR	313	0.5	0.45	1	28-30-32	DCE.91.050.0VC	DCE.91.050.0VM		
		OR	310	0.9	1.10	1	20-22-24	DCE.91.090.BVC	DCE.91.090.BVM
				0.9	0.80	2	22-24-26	DCE.91.090.AVC	DCE.91.090.AVM
				0.9	0.45	2	28-30-32	DCE.91.070.BVC	DCE.91.070.BVM
1R	317	0.7	0.80	1	22-24-26	DCE.91.070.BVC	DCE.91.070.BVM		
		0.7	0.45	2	28-30-32	DCE.91.050.0VC	DCE.91.050.0VM		
1R	328	0.9	1.10	1	20-22-24	DCE.91.090.BVC	DCE.91.090.BVM		
		0.9	0.80	2	22-24-26	DCE.91.090.AVC	DCE.91.090.AVM		
		0.9	0.45	2	28-30-32	DCE.91.070.BVC	DCE.91.070.BVM		
	336	0.7	0.80	1	22-24-26	DCE.91.070.BVC	DCE.91.070.BVM		
		0.7	0.45	2	28-30-32	DCE.91.050.0VC	DCE.91.051.BVM		
	365/367	0.5	0.45	1	28-30-32	DCE.91.050.0VC	DCE.91.051.BVM		

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. Our technical department is at your disposal to study and propose a solution to all your applications.