Amphenol

GCA

Bayonet and threaded



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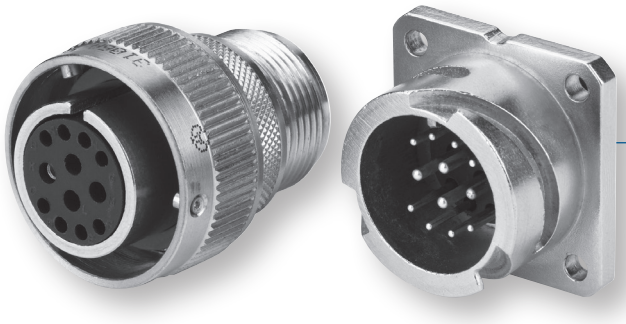
GCA

These connectors with reverse bayonet coupling are compliant to the VG95234 standard. Offering a high liability, they are coevally waterproof and resistant to vibrations and wear. They use the same installation dimensions and contact arrangements as connectors according to MIL-C-5015, however they are provided with reverse bayonet coupling and ondular washer, which guarantee a fast and effortless locking/ unlocking and avoid an unintentional unlatch due to heavy vibrations.

This series comes standard with a nickel surface and solder contacts.

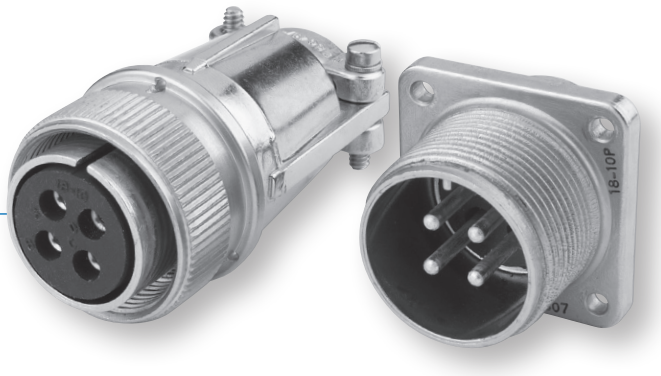
Common applications include industrial plants and railway vehicles as well as propulsion technologies, machine tools, measurement and robotics.

The GCA-B connectors are fully interchangeable and intermateable with GCB-B connectors. They also offer a variety of additional arrangements. They have the same technical setup as GCB-B series.



Bayonet

Thread

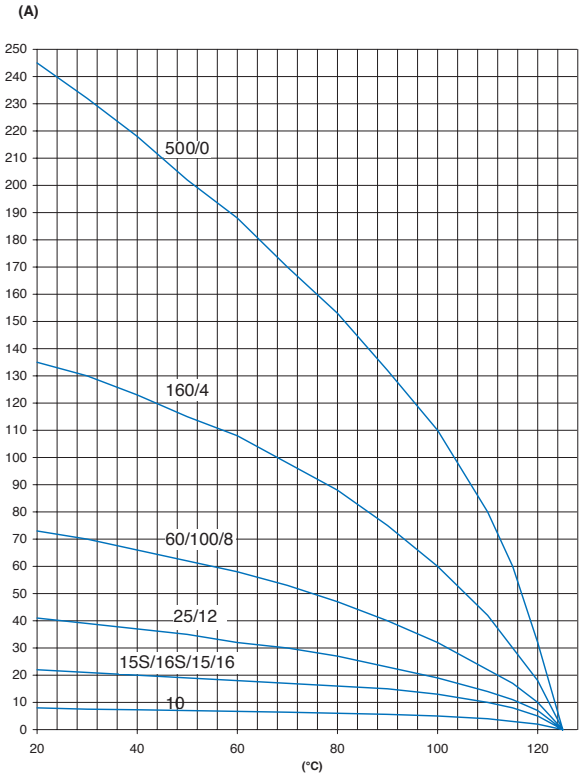


4 Electrical properties

Nominal current 20°C

Contact size	Max. nominal current (A)
10	8
15S / 16S	22
15 / 16	22
25 / 12	41
60 / 100 / 8	74
160 / 4	135
500 / 0	245

Rated current

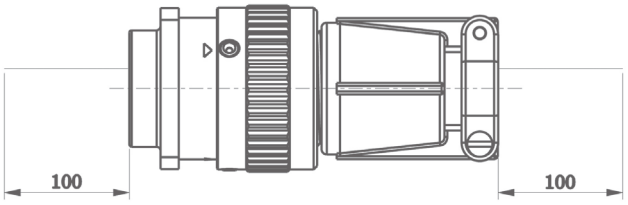


Insulation resistance

≥ 1.000 MΩ

Contact resistance

(See picture below for measuring conditions)



Contact size	Max. contact resistance (mΩ)
10	12
15S / 16S	6
15 / 16	6
25 / 12	3
60 / 100 / 8	1
160 / 4	0,5
500 / 0	0,2

Dielectric withstanding voltage

Voltage class	Test voltage Ueff (V)
1	1050
2	1600
3	2500
4	3000

Air creepage and creeping distance

Voltage class	1	2	3	4
Value (mm)	0,7	1,1	2,8	4,8

Rated voltage

If the connectors shown in this catalogue are used for voltage > 50 V eff against earth, all accessible conductive parts have to be included reliably into the preventive measures of the equipment. **These connectors must not be connected or disconnected under voltage.**

Operating temperature

-55 / +125 °C

Mating cycles

Min. 500

IP code

All backshells with grommet are IP67 (only if all cavities are used). For connectors with PG- or metrical backshell, the IP code depends on the IP code of the adapter which will be used.

Vibration

200 m/s² at 10 to 2000 Hz

Contact retention force

Contact size	Test force (N)
10	30
15S / 16S	35
15 / 16	35
25 / 12	55
60 / 100 / 8	80
160 / 4	90
500 / 0	95

Materials

Shells	Aluminium alloy – Nickel Plating / Other Platings see page 7
Inserts	Neoprene
Contacts	Standard finish: Copper alloy silver plated/Other plating Special finish: A176 nickel and hard gold plating

Harnessing

GCA connectors are designed for single wire harnessing, if an individual wire sealing grommet is used. Wires have to conform to wire and insulation diameters with the data given in the following table:

Contact size		Crimp/Solder contacts		Insulation ø	
AWG	Metric mm	AWG	Metric mm²	AWG	Metric mm
-	10	-	0,75-1,0	-	1,45-2,5
16S/15S	16/15	16	0,75-1,5	1,6-2,8	1,60-2,8
12	25	12	2,5	2,9-3,5	2,9-3,5
-	60	-	6,0	-	3,5-4,9
8	100	8	10,0	4,2-5,8	5,5-6,5
4	160	4	16,0	6,2-9,0	7,1-9,0
0	500	0	50,0	10,5-13,0	10,5-13,0

Coupling torques

The admissible coupling torque has to be tested under harnessed condition.

Shell size	Admissible torque		
	Closing & Opening (Nm max.)		Opening (Nm min.)
	GCA	GCA-B	
10SL	3,0	1,7	0,15
12S	3,8	2,5	0,23
14S	5,9	3,6	0,35
16S / 16	7,0	5,5	0,46
18	8,0	8,0	0,58
20	9,0	9,0	0,70
22	10,6	11,0	0,80
24	12,9	14,0	0,80
28	16,7	17,0	0,92
32	18,1	19,0	1,02
36	23,9	23,0	1,05

Wire Stripping

Either mechanical or hot stripping can be used.
Prevent conductors or insulators damage.
For solder contacts, conductors have to be pretinned.

Note: Do not twist conductors used with crimp contacts. Do not touch uninsulated conductors before crimping, twisting of conductors and grease or lubricants on the wires cause poor crimp quality.

Contact size		Stripping lenght mm
AWG	Metric	
-	10	4,0 + 0,4
16S/15S	16/15	6,0 + 0,5
12	25	6,0 + 0,5
8	60/100	11,0 + 0,8 - 0,4
4	160	11,0 + 0,8 - 0,4
0	500	13,0 + 0,8 - 0,4

6 How to order

	GCA	06	E –	18-1	P	W		XX-XX
	GCA	06	E –	18-1	P	W	B –	XX-XX

Series GCA – Amphenol Air-LB Connector

Series

00 – Wall Mount receptacle with backshell, rear mounting

01 – Cable connecting plug with backshell

02 – Box mounting receptacle, front mounting*

20 – Box mounting receptacle, rear mounting*

06 – Plug, straight

08 – Plug, 90°

Class

E – Backshell with cable clamp

F – Backshell for flex tube

PG / ME – Backshell for PG termination / Backshell for metric termination

M – Backshell for shielding braids and heatshrink

EGM11 - Backshell with integrated gland for screen termination (Cable min. 5,7 mm - max. 10,85 mm)

EGM21 – Backshell with integrated gland for screen termination (Cable min. 12,7 mm - max. 17,85 mm)

L – PCB solder termination (only Series 02 and 20)

Shell size + contact arrengements

10SL , 12S , 14S , 16S , 16 , 18 , 20 , 22 , 24 , 28 , 32 , 36

Contact arrengements see page 8 – 16

Contact type

P – Pin

S – Socket

Angular insert position

N – Normal (no suffix)

Alternate positions: W , X , Y , and Z see page 8 – 16

Coupling

B – Bayonet coupling

Without designation – threaded coupling

Modification

01 – Metric crimp contacts

F80 - AWG crimp contacts

03 – Backshell for heat shrink and metric contacts (Bayonet only)

06 – Backshell for heat shrink and solder pot contacts (Bayonet only)

48 – Backshell F with O – Ring to the plug

BM29 – Threaded flange holes, shell style 00/20 (threaded only)

DN – Backshell for heat shrink (threaded only)

F0 – Without contacts (to be ordered separately)

F42 – Without backshell

A176 – Gold plated contacts

* = no backshells available

	GCA	06	E –	18-1	P	W		XX-XX
	GCA	06	E –	18-1	P	W	B –	XX-XX

Modification

A232 – Zinc cobalt black plating

A233 – Zinc cobalt green plating

A240 – Zinc nickel black plating **(only on request)**

A241 – Electrophoratic black non conductive plating

A242 - Marine bronze

A243 - Stainless steel

A244 - Black anodized

A245 - Zinc-tin (J-Plating)

FR - Fire resistant

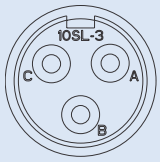
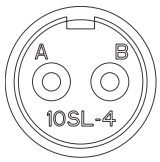
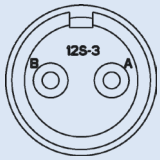
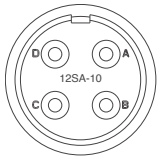
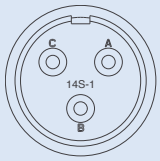
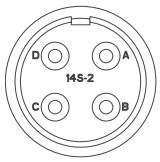
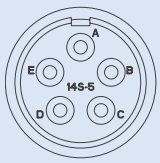
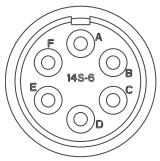
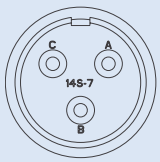
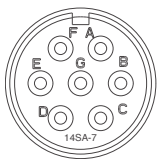
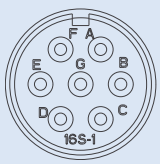
* = no backshells available

8 Contact arrangements

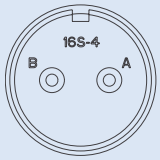
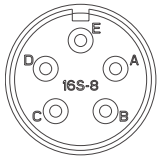
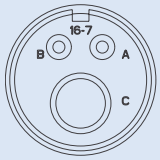
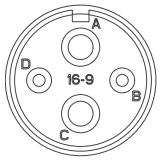
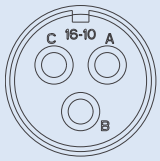
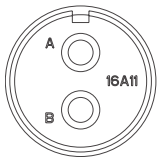
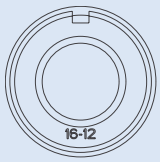
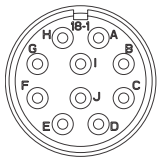
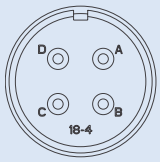
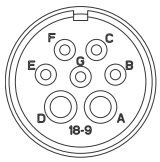
Contact insert	Number of contacts	Contact size 500 0	160 4	60 100 8	25 12	15 16	10 20
16-12*	1		1				
20-2*	1	1					
10SL-4	2					2	
12S-3	2					2	
16S-4	2					2	
16A11	2				2		
24-9*	2		2				
32-5*	2	2					
10SL-3	3					3	
14S-1	3					3	
14S-7	3					3	
16-7*	3			1		2	
16-10	3				3		
20-19*	3			3			
22-2*	3			3			
12SA10	4					4	
14S-2	4					4	
16-9	4				2	2	
18-4	4					4	
18-10	4				4		
18-13*	4			1	3		
20-4	4				4		
22-22*	4			4			
22B22*	4			4			
24-4	4	1				3	
24-22*	4			4			
32-17*	4		4				
36-5*	4	4					
14S-5	5					5	
16S-8	5					5	
18-11	5				5		
22-12*	5			2		3	
24-12*	5		2		3		
32-1*	5	2			3		
14S-6	6					6	
20-8*	6			2		4	
20-22*	6			3		3	
28-22*	6		3			3	
36-3*	6	3			3		
36-6*	6	2	4				

Contact insert	Number of contacts	Contact size 500 0	160 4	60 100 8	25 12	15 16	10 20
14SA7	7					7	
16S-1	7					7	
18-9	7				2	5	
20-15	7				7		
22-28	7				7		
24-2	7				7		
24-10*	7			7			
20-7	8					8	
22-23	8				8		
32-15*	8	2			6		
36A35*	8	4				4	
20A9	9				9		
20-16	9				2	7	
22-27*	9			1		8	
24-11*	9			3	6		
28A16*	9		4			5	
32-3*	9	1	2		2	4	
18-1	10					10	
20-33	11					11	
24-20	11				2	9	
28-9	12				6	6	
20-27	14					14	
22-19	14					14	
28-20	14				10	4	
24-7	16				2	14	
20-29	17					17	
20A48	19					19	
22-14	19					19	
28-11*	22		4			18	
32-6*	23		2	3	2	16	
24-28	24					24	
28-12	26					26	
28A63	28				9	19	
28-15	35					35	
32-7	35				7	28	
28-21	37					37	
36-10	48					48	
32A10	54					54	
32A55	55					55	
32A69*	61					20	41

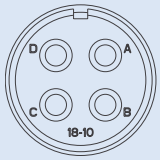
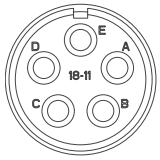
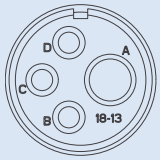
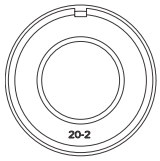
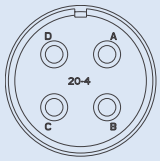
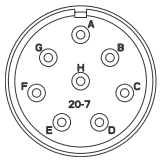
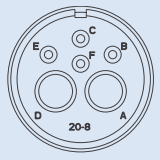
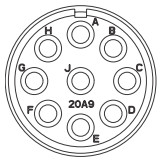
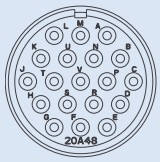
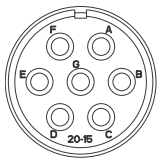
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Front face of pin insert illustrated	Contact arrangement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	10SL-3	3	15S	1600 V	0				
	10SL-4	2	15S	1600 V	0				
	12S-3	2	15S	1600V	0	70	145	215	290
	12SA-10	4	15S	1600 V	0				
	14S-1	3	15S	1600 V	0				
	14S-2	4	15S	1050 V	0		120	240	
	14S-5	5	15S	1050 V	0		110		
	14S-6	6	15S	1050 V	0				
	14S-7	3	15S	1600 V	0	90	180	270	
	14SA7	7	15S	1050 V	0				
	16S-1	7	15S	1600 V	0	80		280	

10 Insert arrangements

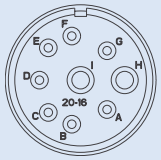
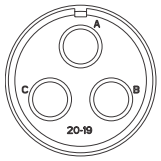
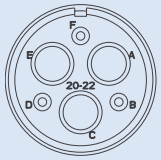
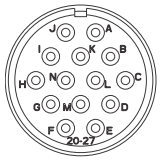
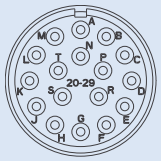
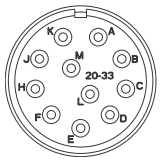
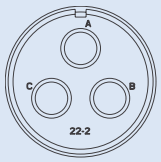
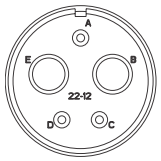
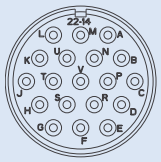
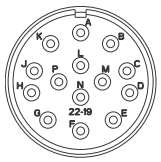
Front face of pin insert illustrated	Contact arrangement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	16S-4	2	15S	2500 V	0	35	110	250	325
	16S-8	5	15S	1600 V	0		170	265	
	16-7*	2	15	1600 V	0	80	110	250	280
		1	100						
	16-9	2	15	1600 V	0	35	110	250	325
		2	25						
	16-10	3	25	1600 V	0	90	180	270	
	16A11	2 Pin	25A	1600 V	0		110	250	
		2 Socket	25						
	16-12*	1	160	1600 V	0				
	18-1	10	15	B,C,F,G – 1600 V	0	70	145	215	290
				A,D,E,H,I,J – 1050 V					
	18-4	4	15	2500 V	0	35	110	250	325
	18-9	5	15	1050 V	0	80	110	250	280
		2	25						

*No PCB version available

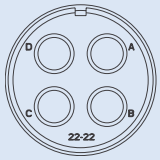
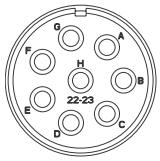
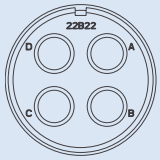
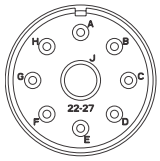
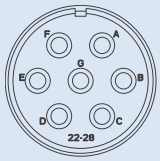
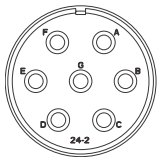
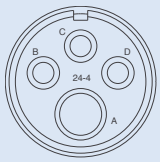
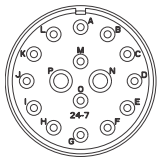
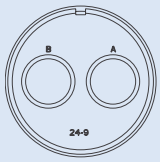
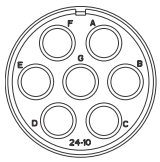
Front face of pin insert illustrated	Contact arrangement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	18-10	4	25	1600 V	0		120	240	
	18-11	5	25	1600 V	0		170	265	
	18-13*	3	25	1600 V	0	80	110	250	280
		1	60						
	20-2*	1	AWG 0	2500 V	0				
	20-4	4	25	2500 V	0	45	110	250	
	20-7	8	15	A,B,G,H – 2500 V C,D,E,F – 1600 V	0	80	110	250	280
	20-8*	4	15	1050 V	0	80	110	250	280
		2	100						
	20A9	9	25	J – 2500 V; all other – 1050 V	0		110	250	
	20A48	19	15	1050 V	0		80	280	
	20-15	7	25	1600 V	0	80			280

*No PCB version available

12 Insert arrangements

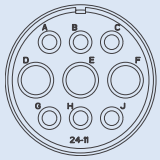
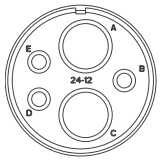
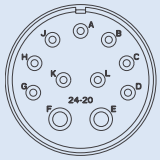
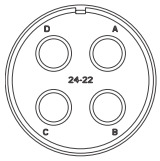
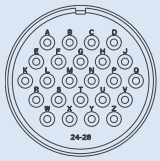
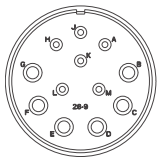
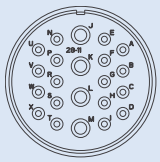
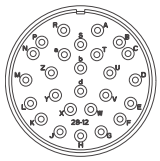
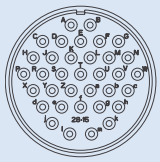
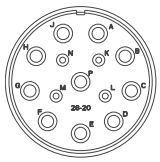
Front face of pin insert illustrated	Contact arrengement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	20-16	7	15	1600 V	0	80	110	250	280
		2	25						
	20-19*	3	AWG 8	1600 V	0	90	180	270	
	20-22*	3	AWG 8	1600 V	0	80	110	250	280
		3	15						
	20-27	14	15	1600 V	0	35	110	250	325
	20-29	17	15	1600 V	0	80			280
	20-33	11	15	1600 V	0				
	22-2*	3	AWG 8	2500 V	0	70	145	215	290
	22-12*	3	15	2500 V	0	80	110	250	280
		2	100						
	22-14	19	15	1600 V	0	80	110	250	280
	22-19	14	15	1600 V	0	80	110	250	280

*No PCB version available

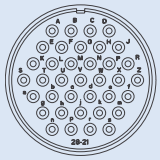
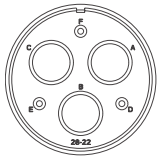
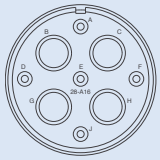
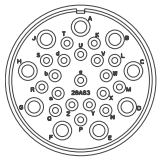
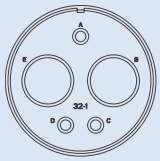
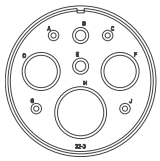
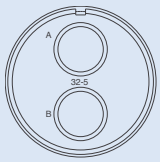
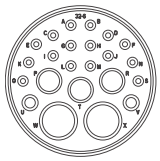
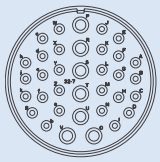
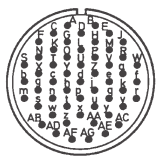
Front face of pin insert illustrated	Contact arrengement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	22-22*	4	100	1600 V	0		110	250	
	22-23	8	25	H – 2500 V; all other – 1600 V	0	35		250	
	22B22*	4	60	1600 V	0		110	250	
	22-27*	8	15	J – 2500 V; all other – 1600 V	0	80		250	280
		1	60						
	22-28	7	25	1600 V	0	80			280
	24-2	7	25	2500 V	0	80		280	
	24-4	3	15	2500 V	0	80	110	250	280
		1	500						
	24-7	14	15	1050 V	0	80	110	250	280
		2	25						
	24-9*	2	AWG 4	1600 V	0	35	110	250	325
	24-10*	7	100	1600 V	0	80			280

*No PCB version available

14 Insert arrangements

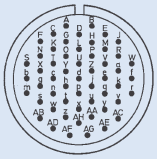
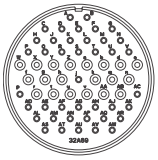
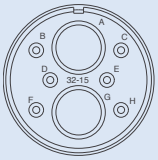
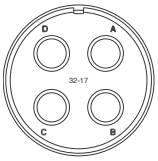
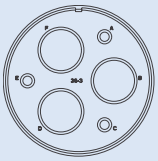
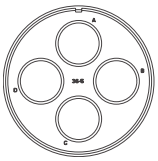
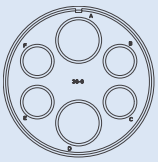
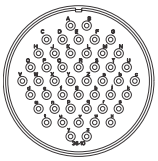
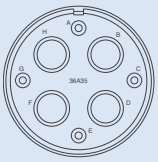
Front face of pin insert illustrated	Contact arrengement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	24-11*	6	AWG12* Metr 25	1600 V	0	35	110	250	325
		3	AWG8* Metr 100						
	24-12*	3	AWG 12	1600 V	0	80	110	250	280
		2	AWG 4						
	24-20	9	15	1600 V	0	80	110	250	280
		2	25						
	24-22*	4	AWG 8	2500 V	0	45	110	250	
	24-28	24	15	1050 V	0	80	110	250	280
	28-9	6	25	2500 V	0	80	110	250	280
		6	15						
	28-11*	18	15	1600 V	0	80	110	250	280
		4	25						
	28-12	26	15	1600 V	0	90	180	270	
	28-15	35	15	1600 V	0	80	110	250	280
	28-20	4	15	1600 V	0	80	110	250	280
		10	25						

*No PCB version available

Front face of pin insert illustrated	Contact arrengement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	28-21	37	15	1600 V	0	80	110	250	280
	28-22**	3	AWG 16* Metr 15	2500 V	0	70	145	215	290
		3	AWG 4* Metr 160						
	28A16**	5	15	1600 V	0	Spec			
		4	AWG 4						
	28A63	19	15	E – 1600 V; all other – 1050 V	0		100	260	
		9	25						
	32-1**	3	AWG 12* Metr 25	A – 3000 V; all other – 2500 V	0	80	110	250	280
		2	AWG 0* Metr 500						
	32-3**	4	AWG 16	2500 V	0	80	110	250	280
		2	AWG 12						
		2	AWG 4						
		1	AWG 0						
	32-5**	2	AWG 0	2500 V	0	35	110	250	325
	32-6**	16	AWG16* Metr 15	1600 V	0	80	110	250	280
		2	AWG 12* Metr 25						
		3	AWG 8* Metr 60						
		2	AWG 4* Metr 160						
	32-7	28	15	A,B,H,J – 1050 V; all other – 1600 V	0	80	125	235	280
		7	25						
	32A10	54	15	1600 V	0	80	110	250	280

*Not for new design
**No PCB version available

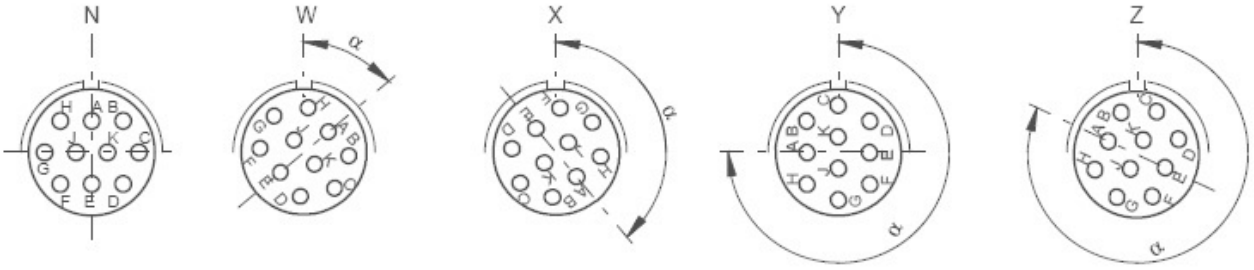
16 Insert arrangements

Front face of pin insert illustrated	Contact arrengement	Contacts		Voltage class for contacts	Angular position of the contact insert				
		Number	Size		N	W	X	Y	Z
	32A55	55	15	1600 V	0	80	110	250	280
	32A69**	41	10	1050 V	0		110	250	
		20	15						
	32-15**	6	25	2500 V	0	35	110	250	325
		2	500						
	32-17**	4	AWG 4	2500 V	0	45	110	250	
	36-3**	3	AWG 12* Metr 25	2500 V	0	70	145	215	290
		3	AWG 0* Metr 500						
	36-5**	4	AWG 0* Metr 500	1600 V	0		120	240	
	36-6**	4	AWG 4	1600 V	0	35	110	250	325
		2	AWG 0						
	36-10	48	15	1600 V	0	80	125	235	280
	36A35**	4	15	1600 V	0				
		4	0						

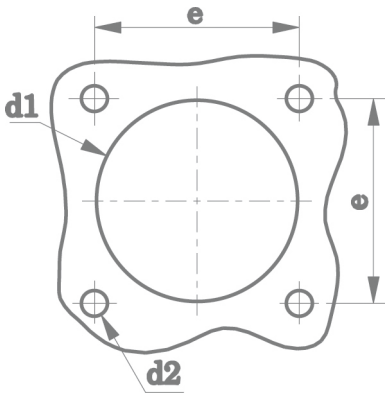
*Not for new design
**No PCB version available for contact arrangement 32A69

Angular position of the contact insert

The angular positions W, X, Y and Z are used when polarisation is required for connectors of the same size and same number of poles. The following figures show the view on the front face of the pin insert or the termination face of the socket insert.



Mounting dimensions



	d1	d1	d2	d2	e ± 0,15	Applicable screws according to*	
Style	GCA02 –	GCA00 – GCA20 –	GCA02 – GCA00 – GCA20 – entry holes	GCA00 – GCA20 – threaded holes		DIN 85 GCA02 – GCA00 – GCA20 – entry holes	DIN 84 GCA00 – GCA20 – threaded holes
Shell size							
10SL	17,0	19,1	3,4	4,5	18,2	M3	M4
12S	17,0	22,0	3,4	4,5	20,6	M3	M4
14S	20,0	25,5	3,4	4,5	23,0	M3	M4
16S/16	23,0	28,3	3,4	4,5	24,6	M3	M4
18	26,5	31,7	3,4	4,5	27,0	M3	M4
20	30,0	35,0	3,4	4,5	29,4	M3	M4
22	33,0	38,3	3,4	4,5	31,8	M3	M4
24	36,0	41,8	3,9	4,5	34,9	M3,5	M4
28	42,0	47,6	3,9	5,5	39,7	M3,5	M5
32	48,5	54,3	4,5	5,5	44,5	M4	M5
36	55,0	60,5	4,5	5,5	49,2	M4	M5

* For using safety elements care shall be taken that the external diameter of safety elements is no larger than the diameter of the screw head

18 Mounting dimensions

Connector type 06 E

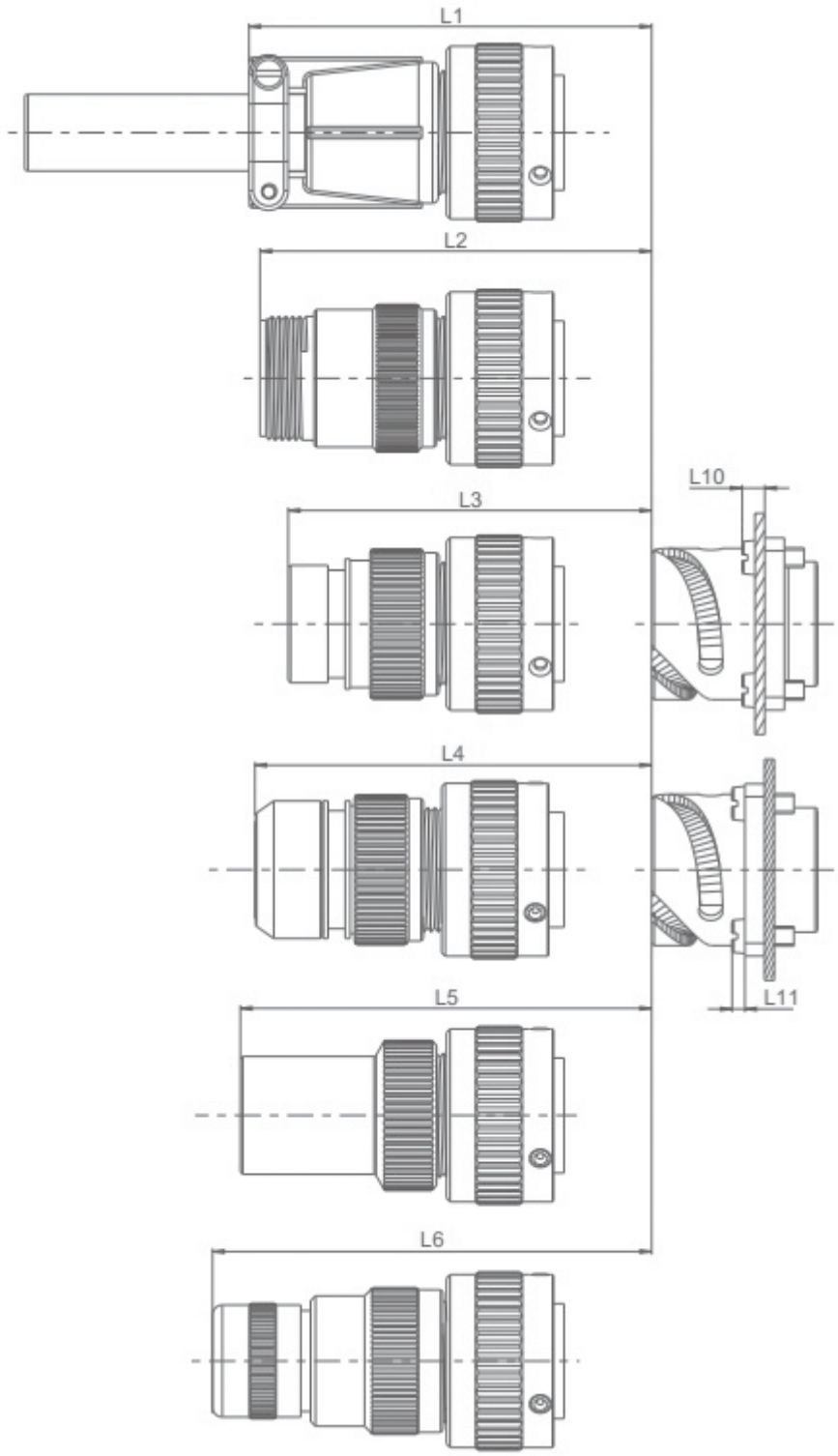
Connector type 06 F

Connector type 06-03
Connector type 06-DN

Connector type 06 M

Connector type 06 PG/ME

Connector type 06 EGM

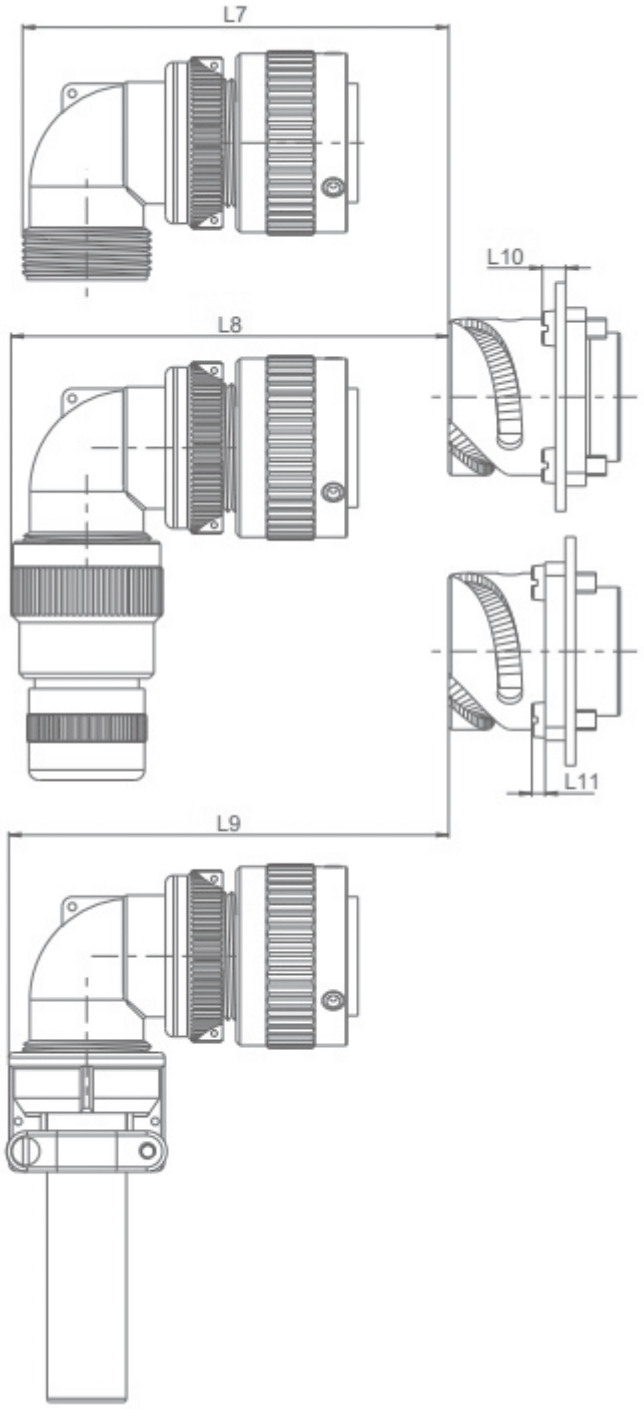


Shell size	l_1 min.	l_2 min.	l_3 min.	l_4 min.	l_5 min.	l_6 min.	l_7 min	l_8 min	l_9 min	l_{10} max.	l_{11} max.
10SL	70	70	65	70	75	80	70	70	70	8,0	3,5
12S	70	70	65	70	75	80	75	75	75	8,0	3,5
14S	70	70	65	70	75	80	75	75	75	8,0	3,5
16S	70	70	65	70	75	80	80	80	80	8,0	3,5
16	80	80	75	80	85	90	90	90	90	8,0	3,5
18	90	90	85	90	95	100	90	90	90	8,0	3,5
20	90	90	85	90	95	100	95	95	95	8,0	3,5
22	90	90	85	90	95	100	95	95	95	8,0	3,5
24	110	110	100	110	115	120	105	105	105	8,0	5,0
28	110	110	100	110	115	120	105	105	105	9,0	5,0
32	110	110	100	110	115	120	115	115	115	9,0	6,0
36	110	110	100	110	115	120	120	120	120	9,0	6,0

Connector type 08 F

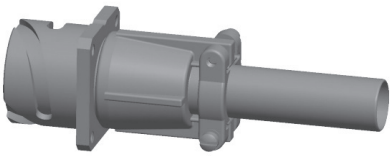
Connector type 08 EGM

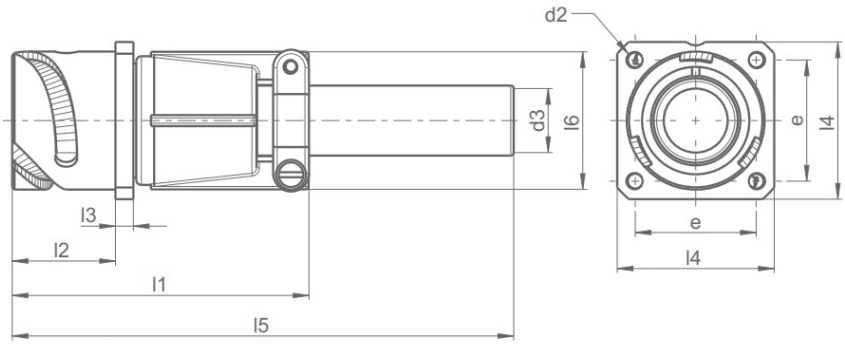
Connector type 08 E



Shell size	l_1 min.	l_2 min.	l_3 min.	l_4 min.	l_5 min.	l_6 min.	l_7 min	l_8 min	l_9 min	l_{10} max.	l_{11} max.
10SL	70	70	65	70	75	80	70	70	70	8,0	3,5
12S	70	70	65	70	75	80	75	75	75	8,0	3,5
14S	70	70	65	70	75	80	75	75	75	8,0	3,5
16S	70	70	65	70	75	80	80	80	80	8,0	3,5
16	80	80	75	80	85	90	90	90	90	8,0	3,5
18	90	90	85	90	95	100	90	90	90	8,0	3,5
20	90	90	85	90	95	100	95	95	95	8,0	3,5
22	90	90	85	90	95	100	95	95	95	8,0	3,5
24	110	110	100	110	115	120	105	105	105	8,0	5,0
28	110	110	100	110	115	120	105	105	105	9,0	5,0
32	110	110	100	110	115	120	115	115	115	9,0	6,0
36	110	110	100	110	115	120	120	120	120	9,0	6,0

Receptacle back panel mounting flange, cable clamp and bushing GCA00E – B





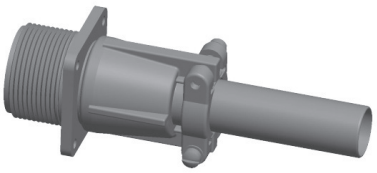
Fixed connector with mounting flange, cable clamp and bushing.

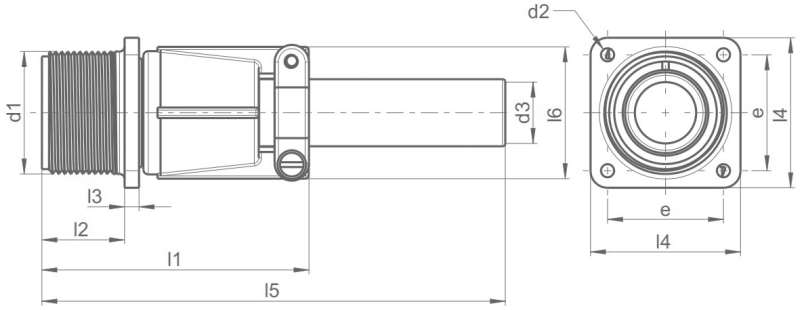
Example:
GCA00E-18-1SB

Shell size	Thread d_2	d_3 (1) max.	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_5 max.	l_6 max.
10SL	M4	6,5	18,2	60	18,2	2,8	25,4	120	22,7
12S	M4	6,5	20,6	60	18,2	3,2	28,0	120	22,7
14S	M4	9,0	23,0	62	18,2	3,2	30,0	120	27,5
16S	M4	11,0	24,6	70	18,2	3,2	32,5	120	30,0
16	M4	11,0	24,6	70	23,05	3,2	32,5	125	30,0
18	M4	14,2	27,0	77	23,05	4,0	35,0	125	33,0
20	M4	15,8	29,4	77	23,05	4,0	38,0	125	37,5
22	M4	15,8	31,8	77	23,05	4,0	41,0	125	37,5
24	M4	21,4	34,9	85	23,05	4,0	44,5	125	43,3
28	M5	21,4	39,7	85	24,05	4,0	50,8	125	48,0
32	M5	26,7	44,5	85	24,05	4,0	57,0	125	55,0
36	M5	31,7	49,2	105	24,05	4,0	63,5	135	58,0

(1) For max. admissible cable diameter

Receptacle back panel mounting flange, cable clamp and bushing GCA00E





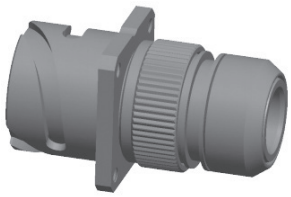
Fixed connector with mounting flange, cable clamp and bushing. Standard with 4 entry holes or form BM29 with 4 threaded holes.

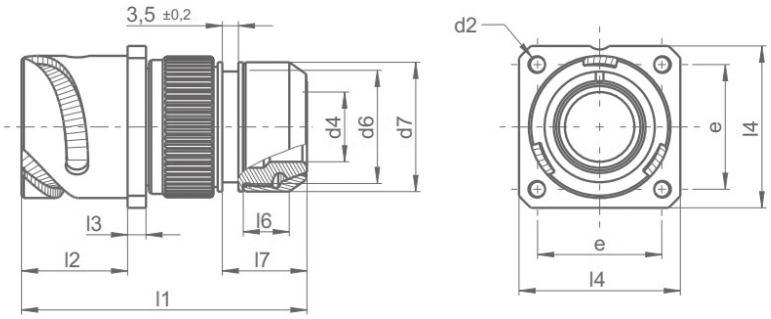
Example:
GCA00E-18-1S

Shell size	d_1 Class 2A	d_2 Thread Form BM29	d_2 Ø (H13)	d_3 (1) max.	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_5 max.	l_6 max.
10SL	5/8-24 UNEF	M4	3,05	6,5	18,2	60	14,27	2,17	25,6	120	22,7
12S	3/4-20 UNEF	M4	3,05	6,5	20,6	60	14,27	2,17	28,0	120	22,7
14S	7/8-20 UNEF	M4	3,05	9,0	23,0	62	14,27	2,17	30,4	120	27,5
16S	1-20 UNEF	M4	3,05	11,0	24,6	70	14,27	2,17	32,8	120	30,0
16	1-20 UNEF	M4	3,05	11,0	24,6	70	19,05	2,17	32,8	125	30,0
18	1 1/8-18 UNEF	M4	3,05	14,2	27,0	77	19,05	3,37	35,1	125	33,0
20	1 1/4-18 UNEF	M4	3,05	15,8	29,4	77	19,05	3,37	38,1	125	37,5
22	1 3/8-18 UNEF	M4	3,05	15,8	31,8	77	19,05	3,37	41,5	125	37,5
24	1 1/2-18 UNEF	M4	3,73	21,4	34,9	85	20,62	3,37	44,7	125	43,3
28	1 3/4-18 UNS	M5	3,73	21,4	39,7	85	20,62	3,37	51,1	125	48,0
32	2 -18 UNS	M5	4,39	26,7	44,5	85	22,22	3,37	57,2	125	55,0
36	2 1/4-16 UN	M5	4,39	31,7	49,2	105	22,22	3,37	63,7	135	58,0

(1) For max. admissible cable diameter

Receptacle back panel mounting flange, shielding braids and heat shrink GCA00M – B



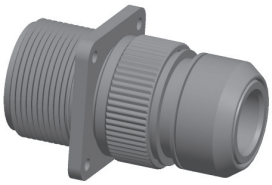


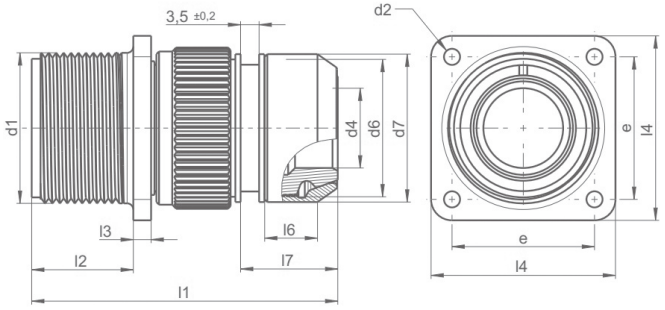
Fixed connector with mounting flange and backshell for mounting of shielding braids by pressing with a nut and heat shrinkable endshells.

Example:
GCA00M-18-1SB

Shell size	Thread d_2	d_4 max.	d_6 max.	d_7 +0,5	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_6 +2	l_7 +1
10SL	M4	8,6	16,3	18,5	18,2	55	18,2	2,8	25,4	7	17
12S	M4	9,3	17,0	20,0	20,6	57	18,2	3,2	28,0	7	17
14S	M4	10,6	20,0	22,0	23,0	58	18,2	3,2	30,0	7	17
16S	M4	13,5	23,0	25,0	24,6	70	18,2	3,2	32,5	8	18
16	M4	13,5	23,0	25,0	24,6	70	23,05	3,2	32,5	8	18
18	M4	14,6	24,5	28,0	27,0	70	23,05	4,0	35,0	10	18
20	M4	18,5	28,5	32,0	29,4	70	23,05	4,0	38,0	10	18
22	M4	20,8	30,5	34,0	31,8	70	23,05	4,0	41,0	10	18
24	M4	24,6	34,5	38,0	34,9	70	23,05	4,0	44,5	10	18
28	M5	27,0	37,5	41,0	39,7	70	24,05	4,0	50,8	10	18
32	M5	33,3	44,0	48,0	44,5	75	24,05	4,0	57,0	10	18
36	M5	38,5	51,0	55,0	49,2	85	24,05	4,0	63,5	10	18

Receptacle back panel mounting flange, shielding braids and heat shrink GCA00M



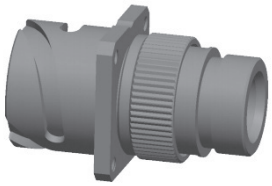


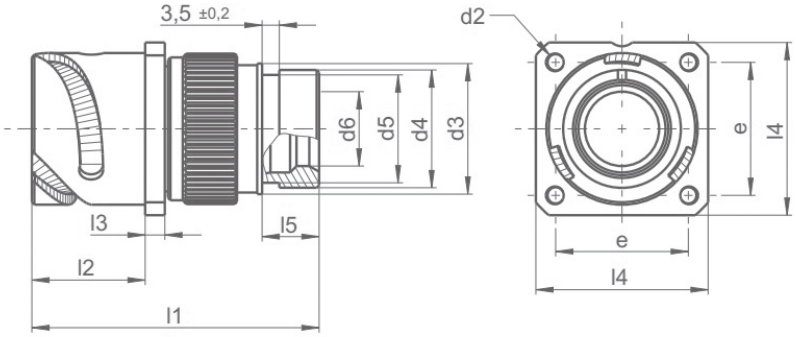
Fixed connector with mounting flange and backshell for mounting of shielding braids by pressing with a nut and heat shrinkable endshells. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA00M-18-1S

Shell size	d_1 Class 2A	d_2 Thread Form MB29	d_2 Ø (H13)	d_4 min.	d_6 max.	d_7 +0,5	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_6 +2	l_7 +1
10SL	5/8-24 UNEF	M4	3,05	8,6	16,3	18,5	18,2	55	14,27	2,17	25,6	7	17
12S	3/4-20 UNEF	M4	3,05	9,3	17,0	20,0	20,6	57	14,27	2,17	28,0	7	17
14S	7/8-20 UNEF	M4	3,05	10,6	20,0	22,0	23,0	58	14,27	2,17	30,4	7	17
16S	1-20 UNEF	M4	3,05	13,5	23,0	25,0	24,6	70	14,27	2,17	32,8	8	18
16	1-20 UNEF	M4	3,05	13,5	23,0	25,0	24,6	70	19,05	2,17	32,8	8	18
18	1 1/8-18 UNEF	M4	3,05	14,6	24,5	28,0	27,0	70	19,05	3,37	35,1	10	18
20	1 1/4-18 UNEF	M4	3,05	18,5	28,5	32,0	29,4	70	19,05	3,37	38,1	10	18
22	1 3/8-18 UNEF	M4	3,05	20,8	30,5	34,0	31,8	70	19,05	3,37	41,5	10	18
24	1 1/2-18 UNEF	M4	3,73	24,6	34,5	38,0	34,9	70	20,62	3,37	44,7	10	18
28	1 3/4-18 UNS	M5	3,73	27,0	37,5	41,0	39,7	70	20,62	3,37	51,1	10	18
32	2 -18 UNS	M5	4,39	33,3	44,0	48,0	44,5	75	22,22	3,37	57,2	10	18
36	2 1/4-16 UN	M5	4,39	38,5	51,0	55,0	49,2	85	22,22	3,37	63,7	10	18

Receptacle mounting flange, heat shrink GCA00E-B/-03/-06



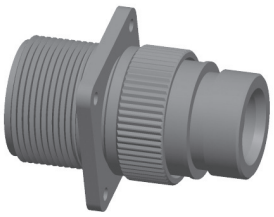


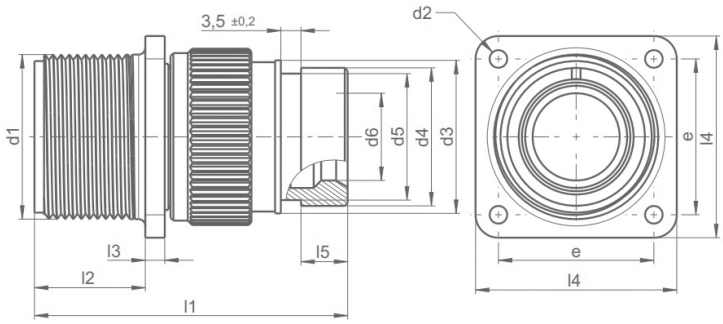
Fixed connector with mounting flange and backshell for heat shrinkable endshells.

Example:
GCA00E-18-1SB-03

Shell size	Thread d_2	d_3 ±0,2	d_4 ±0,2	d_5 max.	d_6 min.	e ±0,1	l_1 max.	l_2 ±0,4	l_3 ±0,2	l_4 ±0,3	l_5 ±0,5
10SL	M4	17,0	15,5	13,3	7,7	18,2	55	18,2	2,8	25,4	11,7
12S	M4	17,0	15,5	13,3	7,9	20,6	55	18,2	3,2	28,0	11,7
14S	M4	20,1	19,1	17,0	10,6	23,0	70	18,2	3,2	30,0	11,7
16S	M4	23,5	23,9	21,9	13,5	24,6	70	18,2	3,2	32,5	11,7
16	M4	23,5	23,9	21,9	13,5	24,6	70	23,05	3,2	32,5	11,5
18	M4	26,5	23,9	21,9	14,6	27,0	70	23,05	4,0	35,0	11,5
20	M4	30,2	29,6	26,2	18,7	29,4	70	23,05	4,0	38,0	12,7
22	M4	33,6	29,6	26,2	20,8	31,8	70	23,05	4,0	41,0	12,7
24	M4	36,1	37,8	34,5	24,6	34,9	70	23,05	4,0	44,5	12,7
28	M5	41,4	37,8	34,5	27,0	39,7	70	24,05	4,0	50,8	12,7
32	M5	48,6	47,8	43,6	33,3	44,5	75	24,05	4,0	57,0	15,2
36	M5	54,8	47,8	43,6	38,5	49,2	85	24,05	4,0	63,5	15,2

Receptacle mounting flange, heat shrink GCA00E-DN

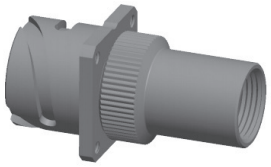


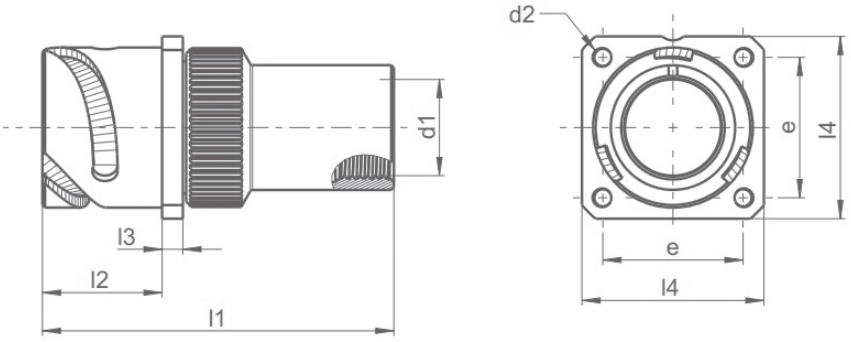


Fixed connector with mounting flange and backshell for heat shrinkable endshells. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA00E-18-1S-DN

Shell size	d_1 Class 2A	d_2 Thread Form BM29	d_2 Ø (H13)	d_3 ±0,2	d_4 ±0,2	d_5 max.	d_6 min.	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_5 ±0,3
10SL	5/8-24 UNEF	M4	3,05	17,0	15,5	13,3	7,7	18,2	55	14,27	2,17	25,6	7
12S	3/4-20 UNEF	M4	3,05	17,0	15,5	13,3	7,9	20,6	57	14,27	2,17	28,0	7
14S	7/8-20 UNEF	M4	3,05	20,1	19,1	17,0	10,6	23,0	58	14,27	2,17	30,4	7
16S	1-20 UNEF	M4	3,05	23,5	23,9	21,9	13,5	24,6	70	14,27	2,17	32,8	8
16	1-20 UNEF	M4	3,05	23,5	23,9	21,9	13,5	24,6	70	19,05	2,17	32,8	8
18	1 1/8-18 UNEF	M4	3,05	26,5	23,9	21,9	14,6	27,0	70	19,05	3,37	35,1	10
20	1 1/4-18 UNEF	M4	3,05	30,2	29,6	26,2	18,7	29,4	70	19,05	3,37	38,1	10
22	1 3/8-18 UNEF	M4	3,05	33,6	29,6	26,2	20,8	31,8	70	19,05	3,37	41,5	10
24	1 1/2-18 UNEF	M4	3,73	36,1	37,8	34,5	24,8	34,9	70	20,62	3,37	44,7	10
28	1 3/4-18 UNS	M5	3,73	41,1	37,8	34,5	27,0	39,7	70	20,62	3,37	51,1	10
32	2 -18 UNS	M5	4,39	48,6	47,8	43,6	33,3	44,5	75	22,22	3,37	57,2	10
36	2 1/4-16 UN	M5	4,39	54,8	47,8	43,6	38,5	49,2	85	22,22	3,37	63,7	10



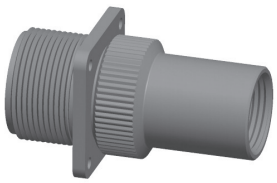


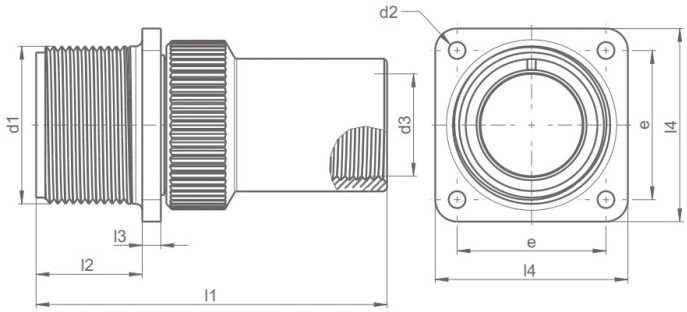
Fixed connector with PG or metrical backshell ME, without grommet.

Example:
GCA00PG-18-1SB
or
GCA00ME-18-1SB

Shell size	d1 Thread Type		Thread d_2	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
	PG	ME						
10SL	PG9	M12x1,5	M4	18,2	55	18,20	2,8	25,4
12S	PG9	–	M4	20,6	55	18,20	3,2	28,0
14S	PG11	M16x1,5	M4	23,0	55	18,20	3,2	30,0
16S	PG13,5	M20x1,5	M4	24,6	60	18,20	3,2	32,5
16	PG13,5	M20x1,5	M4	24,6	70	23,05	3,2	32,5
18	PG13,5	M20x1,5	M4	27,0	75	23,05	4,0	35,0
20	PG16	M25x1,5	M4	29,4	75	23,05	4,0	38,0
22	PG16	M25x1,5	M4	31,8	85	23,05	4,0	41,0
24	PG16	M25x1,5	M4	34,9	85	23,05	4,0	44,5
28	PG21	M32x1,5	M5	39,7	90	24,05	4,0	50,8
32	PG29	M40x1,5	M5	44,5	95	24,05	4,0	57,0
36	PG29	M40x1,5	M5	49,2	100	24,05	4,0	63,5

Receptacle back panel mounting flange, PG or metrical backshell GCA00PG-ME



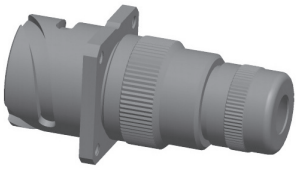


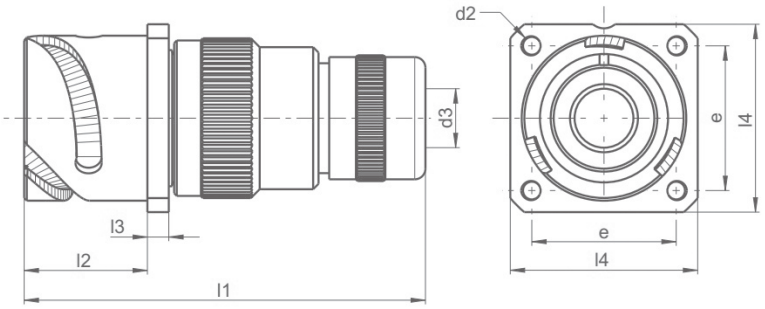
Fixed connector with PG or metrical backshell ME, without grommet. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA00PG-18-1S
or
GCA00ME-18-1S

Shell size	d1 Class 2A	d2		d_3 Thread Type		e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
		Thread Form BM29	Ø (H13)	PG	ME					
10SL	5/8-24 UNEF	M4	3,05	PG9	M12x1,5	18,2	55	14,27	2,17	25,6
12S	3/4-20 UNEF	M4	3,05	PG9	-	20,6	55	14,27	2,17	28,0
14S	7/8-20 UNEF	M4	3,05	PG11	M16x1,5	23,0	55	14,27	2,17	30,4
16S	1-20 UNEF	M4	3,05	PG13,5	M20x1,5	24,6	60	14,27	2,17	32,8
16	1-20 UNEF	M4	3,05	PG13,5	M20x1,5	24,6	70	19,05	2,17	32,8
18	1 1/8-18 UNEF	M4	3,05	PG13,5	M20x1,5	27,0	75	19,05	3,37	35,1
20	1 1/4-18 UNEF	M4	3,05	PG16	M25x1,5	29,4	75	19,05	3,37	38,1
22	1 3/8-18 UNEF	M4	3,05	PG16	M25x1,5	31,8	85	19,05	3,37	41,5
24	1 1/2-18 UNEF	M4	3,73	PG16	M25x1,5	34,9	85	20,62	3,37	44,7
28	1 3/4-18 UNS	M5	3,73	PG21	M32x1,5	39,7	90	20,62	3,37	51,1
32	2 -18 UNS	M5	4,39	PG29	M40x1,5	44,5	95	22,22	3,37	57,2
36	2 1/4-16 UN	M5	4,39	PG29	M40x1,5	49,2	100	22,22	3,37	63,7

24 Receptacle back panel mounting flange, universal shielded backshell GCA00EGM – B





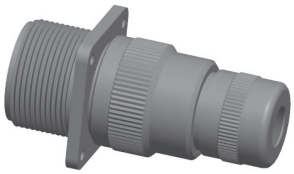
Wall mount receptacle with EGM backshell for shielded cable, without grommet.

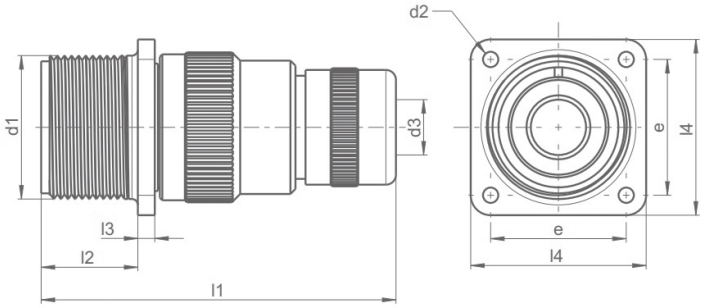
Example:
GCA00EGM11-18-1SB
or
GCA06EGM21-18-1SB

d3:
For EGM11 can accept cable min. 5,7 mm – max. 10,85 mm
For EGM21 can accept cable min. 12,7 mm – max. 17,85 mm

Shell size	Thread d_2	e ±0,1	l_1 max	l_2 +0,4	l_3 ±0,2.	l_4 ±0,3
10SL	M4	18,2	95,6	18,20	2,8	25,4
12S	M4	20,6	95,6	18,20	3,2	28,0
14S	M4	23,0	95,6	18,20	3,2	30,0
16S	M4	24,6	95,6	18,20	3,2	32,5
16	M4	24,6	102,0	23,05	3,2	32,5
18	M4	27,0	102,0	23,05	4,0	35,0
20	ON REQUEST					
22	ON REQUEST					
24	ON REQUEST					
28	ON REQUEST					
32	ON REQUEST					
36	ON REQUEST					

Receptacle back panel mounting flange, universal shielded backshell GCA00EGM





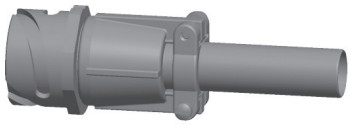
Wall mount receptacle with EGM backshell for shielded cable.
Standard with 4 entry holes or form BM29 with 4 threaded holes, without grommet.

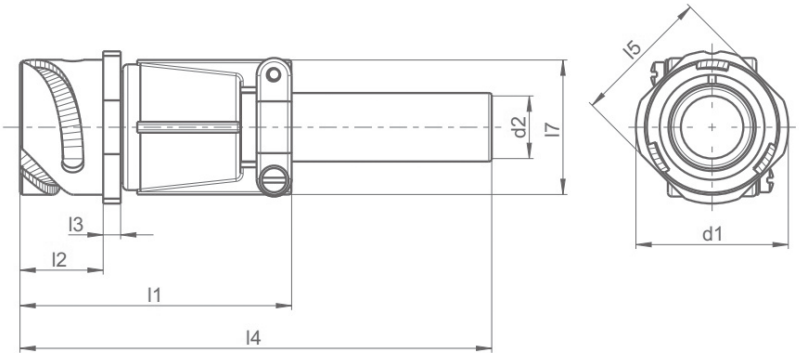
Example:
GCA00EGM11-18-1S
or
GCA00EGM21-18-1S

d3:
For EGM11 can accept cable min. 5,7 mm – max. 10,85 mm
For EGM21 can accept cable min. 12,7 mm – max. 17,85 mm

Shell size	d_1 Class 2A	d_2		e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
		Thread Form BM29	Ø (H13)					
10SL	5/8-24 UNEF	M4	3,05	18,2	95,6	14,27	2,17	25,6
12S	3/4-20 UNEF	M4	3,05	20,6	95,6	14,27	2,17	28,0
14S	7/8-20 UNEF	M4	3,05	23,0	95,6	14,27	2,17	30,4
16S	1-20 UNEF	M4	3,05	24,6	95,6	14,27	2,17	32,8
16	1-20 UNEF	M4	3,05	24,6	102,0	19,05	2,17	32,8
18	1 1/8-18 UNEF	M4	3,05	27,0	102,0	19,05	3,37	35,1
20	ON REQUEST							
22	ON REQUEST							
24	ON REQUEST							
28	ON REQUEST							
32	ON REQUEST							
36	ON REQUEST							

Cabel receptacle, cable clamp and bushing GCA01E – B





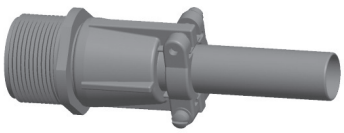
Inline receptacle, straight type, backshell with cable clamp and bushing.

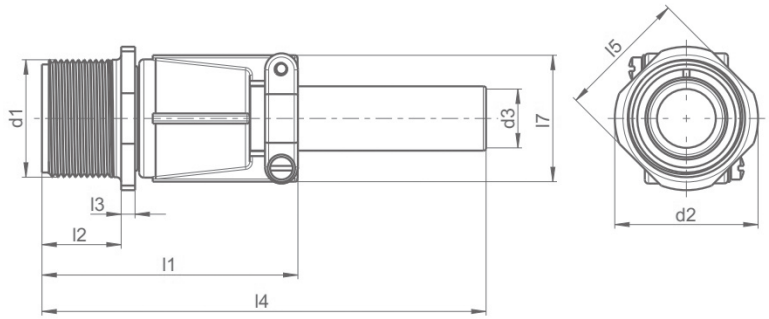
Example:
GCA01E-18-1SB

Shell size	d_1 max	d_2 (1) max.	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 max	l_5 ±0,2	l_7 max.
10SL	25,2	6,5	60	14,2	2,8	120	20,6	22,7
12S	27,6	6,5	60	14,2	3,2	120	23,6	22,7
14S	29,8	9,0	62	14,2	3,2	120	25,4	27,5
16S	32,3	11,0	70	14,2	3,2	120	28,6	30,0
16	32,3	11,0	70	19,0	3,2	125	28,6	30,0
18	34,8	14,2	77	19,0	4,0	125	31,7	33,0
20	37,8	15,8	77	19,0	4,0	125	34,9	37,5
22	41,1	15,8	77	19,0	4,0	125	38,1	37,5
24	44,6	21,4	85	20,6	4,0	125	41,3	43,3
28	50,9	21,4	85	20,6	4,0	125	47,6	48,0
32	57,1	26,7	85	22,2	4,0	125	54,0	55,0
36	63,6	31,7	105	22,2	4,0	135	60,6	58,0

(1) For max. admissible cable diameter

Cabel receptacle, cable clamp and bushing GCA01E





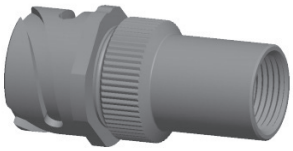
Inline receptacle, straight type, back-shell with cable clamp and bushing

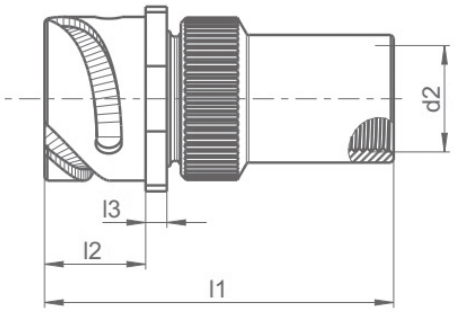
Example:
GCA01E-18-1S

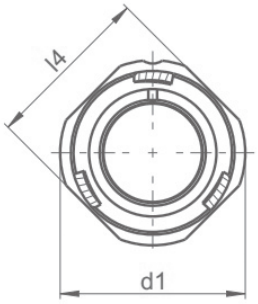
Shell size	d_1 Class 2A	d_2 max.	d_3 (1) max.	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 max.	l_5 ±0,2	l_7 max.
10SL	5/8-24 UNEF	25,2	6,5	60	14,27	2,17	120	20,6	22,7
12S	3/4-20 UNEF	27,6	6,5	60	14,27	2,17	120	23,6	22,7
14S	7/8-20 UNEF	29,8	9,0	62	14,27	2,17	120	25,4	27,5
16S	1-20 UNEF	32,3	11,0	70	14,27	2,17	120	28,6	30,0
16	1-20 UNEF	32,3	11,0	70	19,05	2,17	125	28,6	30,0
18	1 1/8-18 UNEF	34,8	14,2	77	19,05	3,37	125	31,7	33,0
20	1 1/4-18 UNEF	37,8	15,8	77	19,05	3,37	125	34,9	37,5
22	1 3/8-18 UNEF	41,1	15,8	77	19,05	3,37	125	38,1	37,5
24	1 1/2-18 UNEF	44,6	21,4	85	20,62	3,37	125	41,3	43,3
28	1 3/4-18 UNS	50,9	21,4	85	20,62	3,37	125	47,6	48,0
32	2 -18 UNS	57,1	26,7	85	22,22	3,37	125	54,0	55,0
36	2 1/4-16 UN	63,6	31,7	105	22,22	3,37	135	60,6	58,0

(1) For max. admissible cable diameter

Cabel receptacle, PG or metrical backshell GCA01PG-ME – B





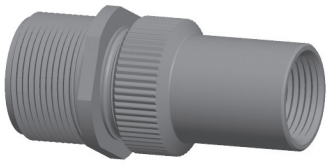


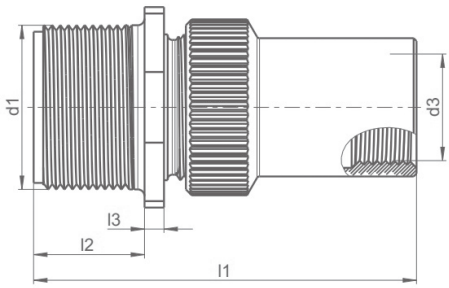
Inline receptacle, straight type, with PG or metrical backshell ME, without grommet.

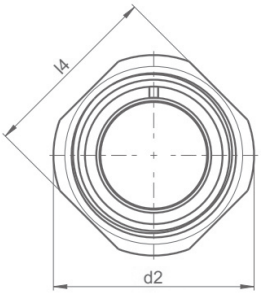
Example:
GCA01PG-18-1SB
or
GCA01ME-18-1SB

Shell size	d_1 max.	d_2 Thread type		l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,2
		PG	ME				
10SL	25,2	PG9	M12x1,5	55	14,2	2,8	20,6
12S	27,6	PG9	–	55	14,2	3,2	23,6
14S	29,8	PG11	M16x1,5	55	14,2	3,2	25,4
16S	32,3	PG13,5	M20x1,5	60	14,2	3,2	28,6
16	32,3	PG13,5	M20x1,5	70	19,0	3,2	28,6
18	34,8	PG13,5	M20x1,5	75	19,0	4,0	31,7
20	37,8	PG16	M25x1,5	75	19,0	4,0	34,9
22	41,1	PG16	M25x1,5	85	19,0	4,0	38,1
24	44,6	PG16	M25x1,5	85	20,6	4,0	41,3
28	50,9	PG21	M32x1,5	90	20,6	4,0	47,6
32	57,1	PG29	M40x1,5	95	22,2	4,0	54,0
36	63,6	PG29	M40x1,5	100	22,0	4,0	60,6

Cable receptacle, PG or metrical backshell GCA01PG-ME





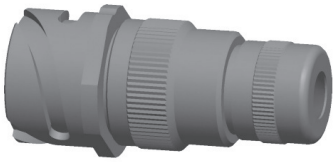


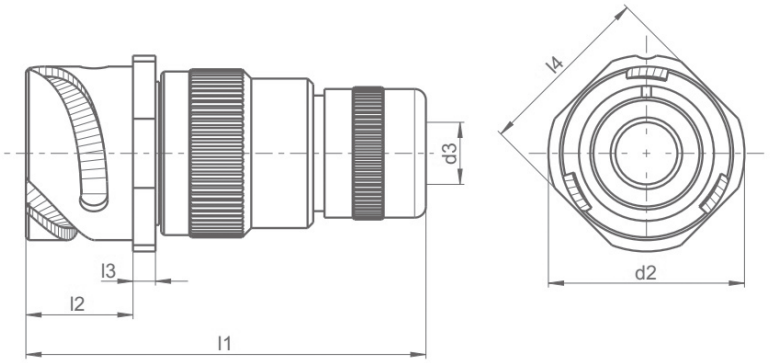
Inline receptacle, straight type, with PG or metrical backshell ME, without grommet.

Example:
GCA01PG-18-1S
or
GCA01ME-18-1S

Shell size	d1 Class 2A	d_2 max.	d_3 Thread type		l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,2
			PG	ME				
10SL	5/8-24 UNEF	25,2	PG9	M12x1,5	55	14,27	2,17	20,6
12S	3/4-20 UNEF	27,6	PG9	–	55	14,27	2,17	23,6
14S	7/8-20 UNEF	29,8	PG11	M16x1,5	55	14,27	2,17	25,4
16S	1-20 UNEF	32,3	PG13,5	M20x1,5	60	14,27	2,17	28,6
16	1-20 UNEF	32,3	PG13,5	M20x1,5	70	19,05	2,17	28,6
18	1 1/8-18 UNEF	34,8	PG13,5	M20x1,5	75	19,05	3,37	31,7
20	1 1/4-18 UNEF	37,8	PG16	M25x1,5	75	19,05	3,37	34,9
22	1 3/8-18 UNEF	41,1	PG16	M25x1,5	85	19,05	3,37	38,1
24	1 1/2-18 UNEF	44,6	PG16	M25x1,5	85	20,62	3,37	41,3
28	1 3/4-18 UNS	50,9	PG21	M32x1,5	90	20,62	3,37	47,6
32	2 -18 UNS	57,1	PG29	M40x1,5	95	22,22	3,37	54,0
36	2 1/4-16 UN	63,6	PG29	M40x1,5	100	22,22	3,37	60,6

Cable receptacle, universal shielded backshell GCA01EGM – B





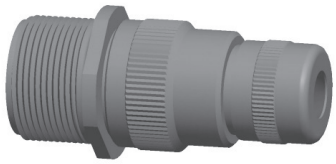
Cable connection receptacle with EGM backshell for shielded cable, without grommet.

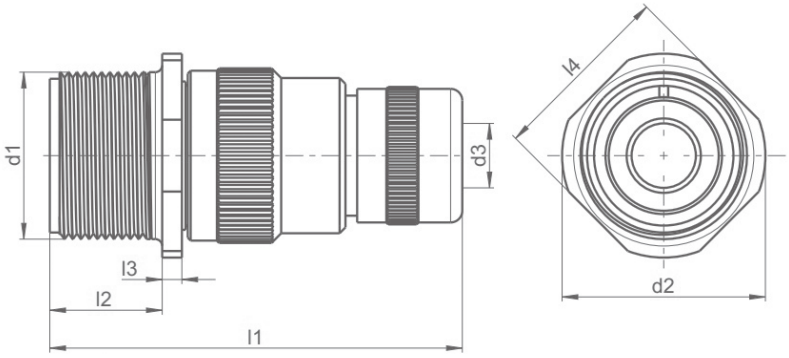
Example:
GCA01EGM11-18-1SB
or
GCA01EGM21-18-1SB

d3 is:
For EGM11 can accept cable min.
5,7 mm – max. 10,85 mm
For EGM21 can accept cable min.
12,7 mm – max. 17,85 mm

Shell size	d_2 max.	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	25,2	95,6	14,2	2,8	25,4
12S	27,6	95,6	14,2	3,2	28,0
14S	29,8	95,6	14,2	3,2	30,0
16S	32,3	95,6	14,2	3,2	32,5
16	32,3	102,0	19,0	3,2	32,5
18	34,3	102,0	19,0	4,0	35,0
20	ON REQUEST				
22	ON REQUEST				
24	ON REQUEST				
28	ON REQUEST				
32	ON REQUEST				
36	ON REQUEST				

Cable receptacle, universal shielded backshell GCA01EGM





Wall mount receptacle with EGM backshell for shielded cable, without grommet.

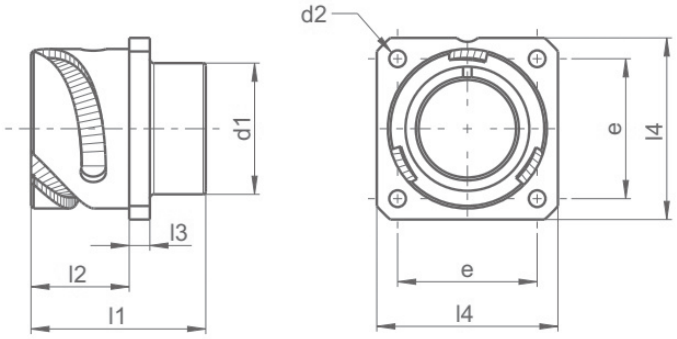
Example:
GCA01EGM11-18-1S
or
GCA01EGM21-18-1S

d3 is:
For EGM11 can accept cable min.
5,7 mm – max. 10,85 mm
For EGM21 can accept cable min.
12,7 mm – max. 17,85 mm

Shell size	d_1 Class 2A	d_2 max.	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	5/8-24 UNEF	25,2	95,6	14,27	2,17	20,6
12S	3/4-20 UNEF	27,6	95,6	14,27	2,17	23,6
14S	7/8-20 UNEF	29,8	95,6	14,27	2,17	25,4
16S	1-20 UNEF	32,3	95,6	14,27	2,17	28,6
16	1-20 UNEF	32,3	102,0	19,05	2,17	28,6
18	1 1/8-18 UNEF	34,3	102,0	19,05	3,37	31,7
20	ON REQUEST					
22	ON REQUEST					
24	ON REQUEST					
28	ON REQUEST					
32	ON REQUEST					
36	ON REQUEST					

Receptacle front panel mounting GCA02 – B



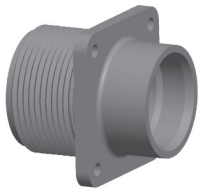


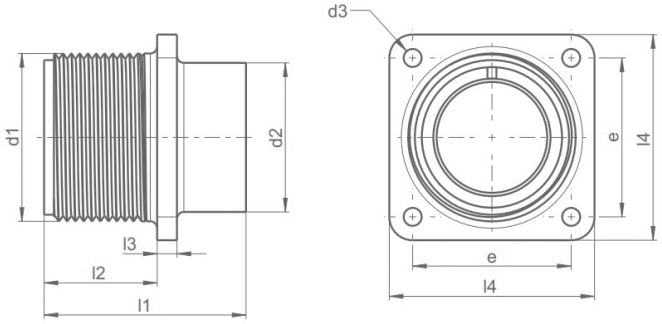
Fixed connector with mounting flange for front panel mounting.

Example:
GCA02-18-1SB

Shell size	d_1 max.	d_2 Ø (H13)	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	16,2	3,2	18,2	24,7	14,2	2,8	25,4
12S	17,6	3,2	20,6	24,7	14,2	3,2	28,0
14S	19,2	3,2	23,0	24,7	14,2	3,2	30,0
16S	22,4	3,2	24,6	24,7	14,2	3,2	32,5
16	22,4	3,2	24,6	33,8	19,0	3,2	32,5
18	25,6	3,2	27,0	33,8	19,0	4,0	35,0
20	29,0	3,2	29,4	33,8	19,0	4,0	38,0
22	32,2	3,2	31,8	33,8	19,0	4,0	41,0
24	35,3	3,7	34,9	33,8	20,6	4,0	44,5
28	41,4	3,7	39,7	33,8	20,6	4,0	50,8
32	47,8	4,3	44,5	33,8	22,2	4,0	57,0
36	54,1	4,3	49,2	33,8	22,2	4,0	63,5

Receptacle front panel mounting GCA02





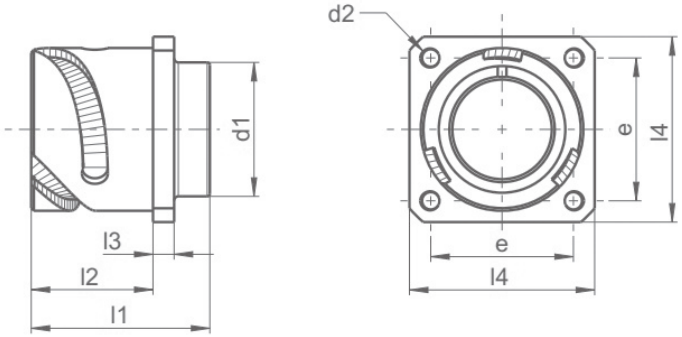
Fixed connector with mounting flange for front panel mounting.

Example:
GCA02-18-1S

Shell size	d_1 Class 2A	d_2 max.	d_3 Ø (H13)	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	5/8-24 UNEF	15,8	3,05	18,2	25,5	14,27	2,17	25,6
12S	3/4-20 UNEF	17,5	3,05	20,6	25,5	14,27	2,17	28,0
14S	7/8-20 UNEF	18,9	3,05	23,0	25,5	14,27	2,17	30,4
16S	1-20 UNEF	22,1	3,05	24,6	25,5	14,27	2,17	32,8
16	1-20 UNEF	22,1	3,05	24,6	33,7	19,05	2,17	32,8
18	1 1/8-18 UNEF	25,5	3,05	27,0	34,4	19,05	3,37	35,1
20	1 1/4-18 UNEF	28,4	3,05	29,4	33,7	19,05	3,37	38,1
22	1 3/8-18 UNEF	31,6	3,05	31,8	33,7	19,05	3,37	41,5
24	1 1/2-18 UNEF	34,8	3,73	34,9	33,7	20,62	3,37	44,7
28	1 3/4-18 UNS	41,1	3,73	39,7	33,7	20,62	3,37	51,1
32	2 -18 UNS	47,5	4,39	44,5	33,7	22,22	3,37	57,2
36	2 1/4-16 UN	53,9	4,39	49,2	33,7	22,22	3,37	63,7

Receptacle back panel mounting GCA20 – B



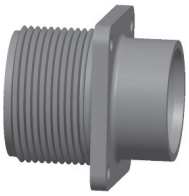


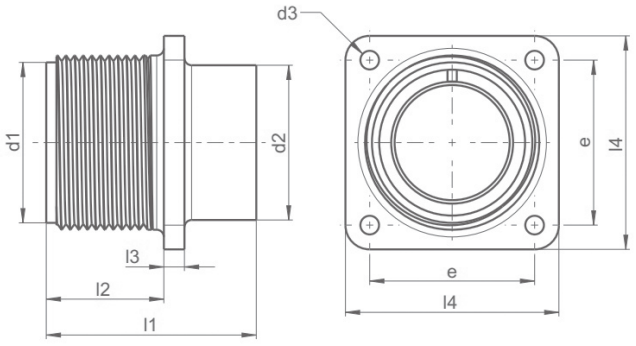
Fixed connector with mounting flange for back panel mounting.

Example:
GCA20-18-1SB

Shell size	d_1 max.	Thread d_2	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	16,2	M4	18,2	24,7	18,20	2,8	25,4
12S	17,6	M4	20,6	24,7	18,20	3,2	28,0
14S	19,2	M4	23,0	24,7	18,20	3,2	30,0
16S	22,4	M4	24,6	24,7	18,20	3,2	32,5
16	22,4	M4	24,6	33,8	23,05	3,2	32,5
18	25,6	M4	27,0	33,8	23,05	4,0	35,0
20	29,0	M4	29,4	33,8	23,05	4,0	38,0
22	32,2	M4	31,8	33,8	23,05	4,0	41,0
24	35,3	M4	34,9	33,8	23,05	4,0	44,5
28	41,4	M5	39,7	33,8	24,05	4,0	50,8
32	47,8	M5	44,5	33,8	24,05	4,0	57,0
36	54,1	M5	49,2	33,8	24,05	4,0	63,5

Receptacle back panel mounting GCA20



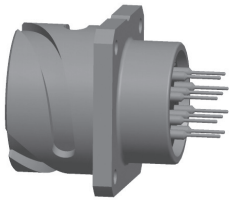


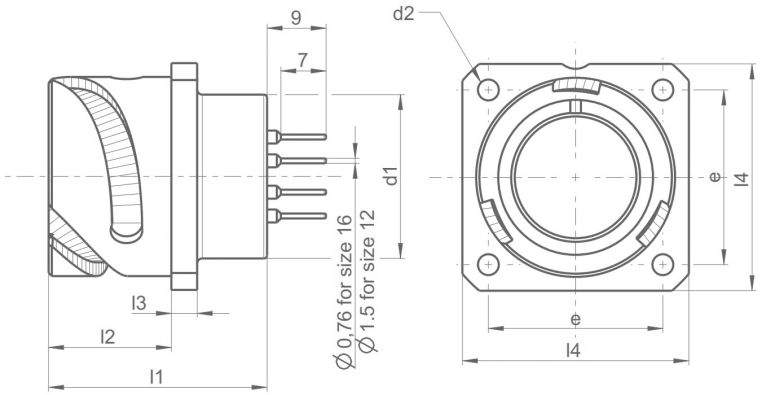
Fixed connector with mounting flange for back panel mounting. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA20-18-1S

Shell size	d_1 Class 2A	d_2 max.	d_3 Thread Form BM29	d_3 Ø (H13)	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	5/8-24 UNEF	15,8	M4	3,05	18,2	24,7	18,20	2,17	25,6
12S	3/4-20 UNEF	17,5	M4	3,05	20,6	24,7	18,20	2,17	28,0
14S	7/8-20 UNEF	18,9	M4	3,05	23,0	24,7	18,20	2,17	30,4
16S	1-20 UNEF	22,1	M4	3,05	24,6	24,7	18,20	2,17	32,8
16	1-20 UNEF	22,1	M4	3,05	24,6	33,8	23,05	2,17	32,8
18	1 1/8-18 UNEF	25,5	M4	3,05	27,0	33,8	23,05	3,37	35,1
20	1 1/4-18 UNEF	28,4	M4	3,05	29,4	33,8	23,05	3,37	38,1
22	1 3/8-18 UNEF	31,6	M4	3,05	31,8	33,8	23,05	3,37	41,5
24	1 1/2-18 UNEF	34,8	M4	3,73	34,9	33,8	23,05	3,37	44,7
28	1 3/4-18 UNS	41,1	M5	3,73	39,7	33,8	24,05	3,37	51,1
32	2 -18 UNS	47,5	M5	4,39	44,5	33,8	24,05	3,37	57,2
36	2 1/4-16 UN	53,9	M5	4,39	49,2	33,8	24,05	3,37	63,7

Receptacle with PCB-Termination, front panel mounting GCA02L-B



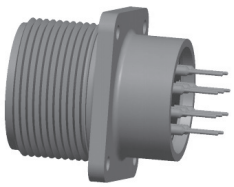


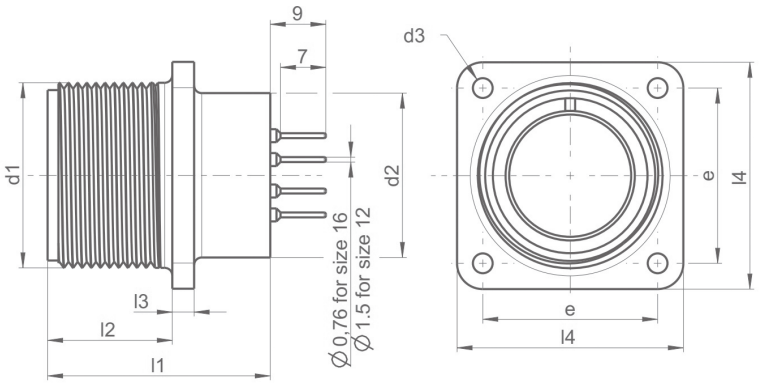
Fixed connector with mounting flange for front panel mounting.

Example:
GCA02L-18-1SB

Shell size	d_1 max.	d_2 Ø (H13)	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	16,2	3,2	18,2	24,7	14,2	2,8	25,4
12S	17,6	3,2	20,6	24,7	14,2	3,2	28,0
14S	19,2	3,2	23,0	24,7	14,2	3,2	30,0
16S	22,4	3,2	24,6	24,7	14,2	3,2	32,5
16	22,4	3,2	24,6	33,8	19,0	3,2	32,5
18	25,6	3,2	27,0	33,8	19,0	4,0	35,0
20	29,0	3,2	29,4	33,8	19,0	4,0	38,0
22	32,2	3,2	31,8	33,8	19,0	4,0	41,0
24	35,3	3,7	34,9	33,8	20,6	4,0	44,5
28	41,4	3,7	39,7	33,8	20,6	4,0	50,8
32	47,8	4,3	44,5	33,8	22,2	4,0	57,0
36	54,1	4,3	49,2	33,8	22,2	4,0	63,5

Receptacle with PCB-Termination, front panel mounting GCA02L



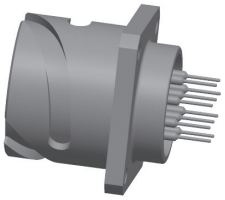


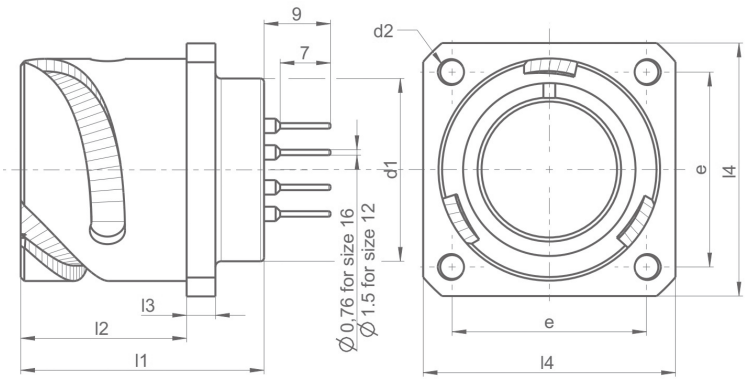
Fixed connector with mounting flange for front panel mounting.

Example:
GCA02L-18-1S

Shell size	d1 Class 2A	d_2 max.	d_3 Ø (H13)	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	5/8-24 UNEF	15,8	3,05	18,2	25,5	14,27	2,17	25,6
12S	3/4-20 UNEF	17,5	3,05	20,6	25,5	14,27	2,17	28,0
14S	7/8-20 UNEF	18,9	3,05	23,0	25,5	14,27	2,17	30,4
16S	1-20 UNEF	22,1	3,05	24,6	25,5	14,27	2,17	32,8
16	1-20 UNEF	22,1	3,05	24,6	33,7	19,05	2,17	32,8
18	1 1/8-18 UNEF	25,5	3,05	27,0	34,4	19,05	3,37	35,1
20	1 1/4-18U NEF	28,4	3,05	29,4	33,7	19,05	3,37	38,1
22	1 3/8-18 UNEF	31,6	3,05	31,8	33,7	19,05	3,37	41,5
24	1 1/2-18 UNEF	34,8	3,73	34,9	33,7	20,62	3,37	44,7
28	1 3/4-18 UNS	41,1	3,73	39,7	33,7	20,62	3,37	51,1
32	2 -18 UNS	47,5	4,39	44,5	33,7	22,22	3,37	57,2
36	2 1/4-16 UN	53,9	4,39	49,2	33,7	22,22	3,37	63,7

Receptacle with PCB-Termination, back panel mounting GCA20L-B



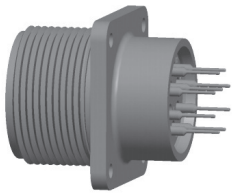


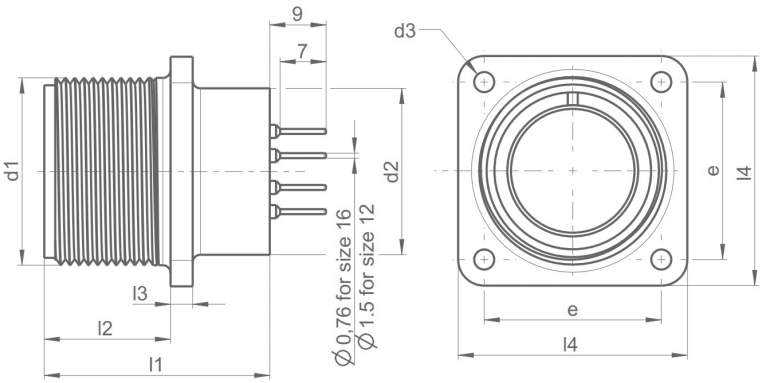
Fixed connector with mounting flange for back panel mounting.

Example:
GCA20L-18-1SB

Shell size	d_1 max.	Thread d_2	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	16,2	M4	18,2	24,7	18,20	2,8	25,4
12S	17,6	M4	20,6	24,7	18,20	3,2	28,0
14S	19,2	M4	23,0	24,7	18,20	3,2	30,0
16S	22,4	M4	24,6	24,7	18,20	3,2	32,5
16	22,4	M4	24,6	33,8	23,05	3,2	32,5
18	25,6	M4	27,0	33,8	23,05	4,0	35,0
20	29,0	M4	29,4	33,8	23,05	4,0	38,0
22	32,2	M4	31,8	33,8	23,05	4,0	41,0
24	35,3	M4	34,9	33,8	23,05	4,0	44,5
28	41,4	M5	39,7	33,8	24,05	4,0	50,8
32	47,8	M5	44,5	33,8	24,05	4,0	57,0
36	54,1	M5	49,2	33,8	24,05	4,0	63,5

Receptacle with PCB-Termination, back panel mounting GCA20L



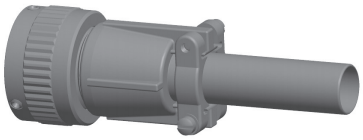


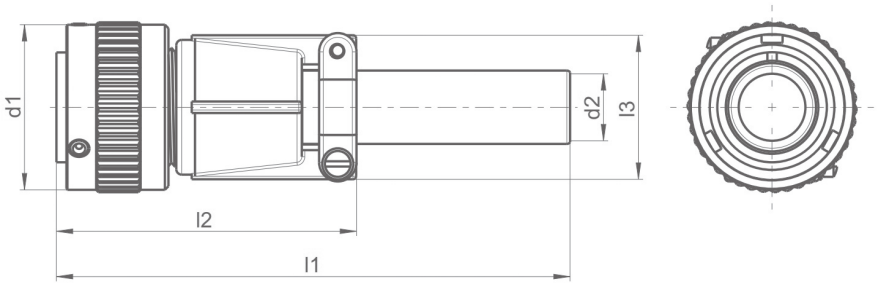
Fixed connector with mounting flange for back panel mounting. Standard with 4 entry holes or form BM29 with 4 threaded holes.

Example:
GCA20L-18-1S

Shell size	d_1 Class 2A	d_2 max.	d_3 Thread Form BM29	d_3 Ø ±0,1	e ±0,1	l_1 ±0,3	l_2 +0,4	l_3 ±0,2	l_4 ±0,3
10SL	5/8-24 UNEF	15,8	M4	3,05	18,2	24,7	18,20	2,17	25,6
12S	3/4-20 UNEF	17,5	M4	3,05	20,6	24,7	18,20	2,17	28,0
14S	7/8-20 UNEF	18,9	M4	3,05	23,0	24,7	18,20	2,17	30,4
16S	1-20 UNEF	22,1	M4	3,05	24,6	24,7	18,20	2,17	32,8
16	1-20 UNEF	22,1	M4	3,05	24,6	33,8	23,05	2,17	32,8
18	1 1/8-18 UNEF	25,5	M4	3,05	27,0	33,8	23,05	3,37	35,1
20	1 1/4-18 UNEF	28,4	M4	3,05	29,4	33,8	23,05	3,37	38,1
22	1 3/8-18 UNEF	31,6	M4	3,05	31,8	33,8	23,05	3,37	41,5
24	1 1/2-18 UNEF	34,8	M4	3,73	34,9	33,8	23,05	3,37	44,7
28	1 3/4-18 UNS	41,1	M5	3,73	39,7	33,8	24,05	3,37	51,1
32	2-18 UNS	47,5	M5	4,39	44,5	33,8	24,05	3,37	57,2
36	2 1/4-16 UN	53,9	M5	4,39	49,2	33,8	24,05	3,37	63,7

Plug, cable clamp and bushing GCA06E – B





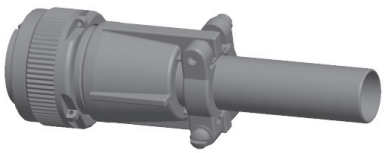
Straight plug, backshell with cable clamp and bushing.

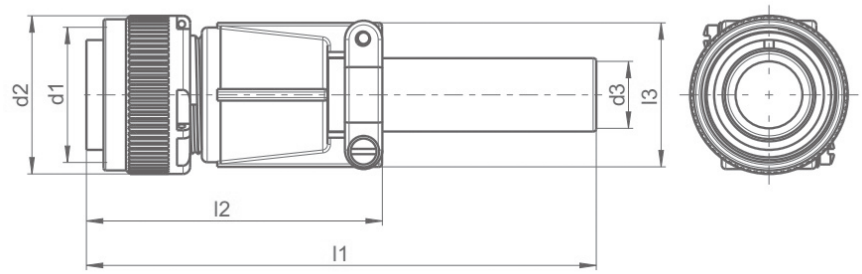
Example:
GCA06E-18-1SB

Shell size	d_1 max.	d_2 (1) max.	l_1 max.	l_2 max.	l_3 max.
10SL	22,8	6,5	115	58	22,7
12S	25,6	6,5	115	60	22,7
14S	29,2	9,0	115	60	27,5
16S	32,0	11,0	115	60	30,0
16	32,0	11,0	120	70	30,0
18	36,5	14,2	120	75	33,0
20	39,9	15,8	120	75	37,5
22	43,1	15,8	120	75	37,5
24	46,6	21,4	120	90	43,3
28	53,4	21,4	120	90	48,0
32	60,1	26,7	120	90	55,0
36	66,3	31,7	130	100	58,0

(1) For max. admissible cable diameter

Plug, cable clamp and bushing GCA06E





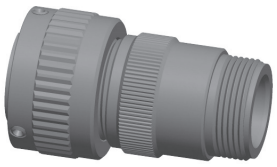
Straight plug, backshell with cable clamp and bushing.

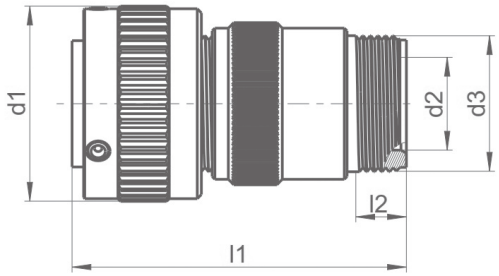
Example:
GCA06E-18-1S

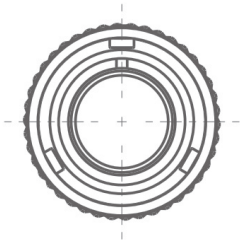
Shell size	d_1 Class 2B	d_2 max.	d_3 (1) max.	l_1 max.	l_2 max.	l_3 max.
10SL	5/8-24 UNEF	22,0	6,5	115	58	22,7
12S	3/4-20 UNEF	24,0	6,5	115	60	22,7
14S	7/8-20 UNEF	28,3	9,0	115	60	27,5
16S	1-20 UNEF	31,4	11,0	115	60	30,0
16	1-20 UNEF	31,4	11,0	120	70	30,0
18	1 1/8-18 UNEF	33,7	14,2	120	75	33,0
20	1 1/4-18 UNEF	36,8	15,8	120	75	37,5
22	1 3/8-18 UNEF	40,0	15,8	120	75	37,5
24	1 1/2-18 UNEF	43,5	21,4	120	90	43,3
28	1 3/4-18 UNS	49,8	21,4	120	90	48,0
32	2 -18 UNS	56,0	26,7	120	90	55,0
36	2 1/4-16 UN	62,5	31,7	130	100	58,0

(1) For max. admissible cable diameter

Plug, conduit termination GCA06F – B







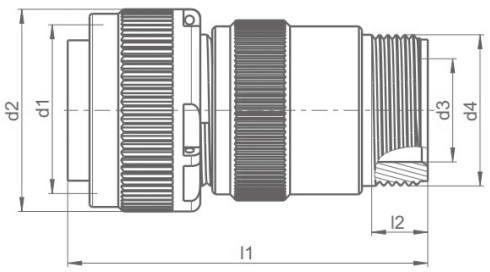
F – Straight plug, backshell for conduit termination.

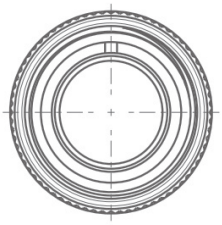
Example:
GCA06F-18-1SB

Shell size	d_1 max.	d_2 min.	d_3 Class 2A	l_1 max.	l_2 min.
10SL	22,8	8,2	5/8-24 UNEF	50	9,5
12S	25,6	8,2	5/8-24 UNEF	50	9,5
14S	29,2	11,1	3/4-20 UNEF	50	9,5
16S	32,0	14,3	7/8-20 UNEF	50	9,5
16	32,0	14,3	7/8-20 UNEF	60	9,5
18	36,5	16,7	1-20 UNEF	60	9,5
20	39,9	19,8	1 3/16-18 UNEF	60	9,5
22	43,1	19,8	1 3/16-18 UNEF	60	9,5
24	46,6	25,4	1 7/16-18 UNEF	65	9,5
28	53,4	27,0	1 7/16-18 UNEF	65	9,5
32	60,1	32,5	1 3/4-18 UNS	65	11,0
36	66,3	35,7	2-18 UNS	80	11,8

Plug, conduit termination GCA06F





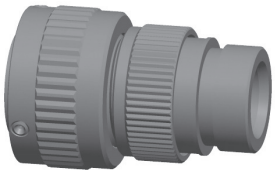


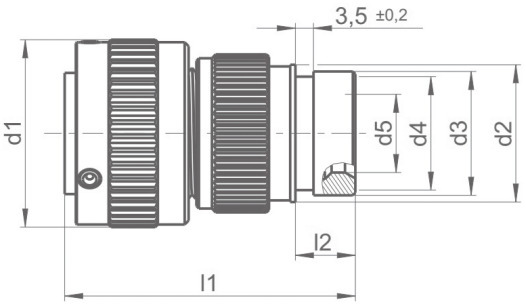
F – Straight plug, backshell for conduit termination.

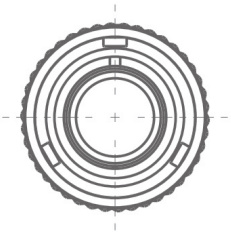
Example:
GCA06F-18-1S

Shell size	d_1 Class 2B	d_2 max.	d_3 min.	d_4 Class 2A	l_1 max.	l_2 min.
10SL	5/8-24 UNEF	22,0	8,2	5/8-24 UNEF	50	9,5
12S	3/4-20 UNEF	24,0	8,2	5/8-24 UNEF	50	9,5
14S	7/8-20 UNEF	28,3	11,1	3/4-20 UNEF	50	9,5
16S	1-20 UNEF	31,4	14,3	7/8-20 UNEF	50	9,5
16	1-20 UNEF	31,4	14,3	7/8-20 UNEF	60	9,5
18	1 1/8-18 UNEF	33,7	16,7	1-20 UNEF	60	9,5
20	1 1/4-18 UNEF	36,8	19,8	1 3/16-18 UNEF	60	9,5
22	1 3/8-18 UNEF	40,0	19,8	1 3/16-18 UNEF	60	9,5
24	1 1/2-18 UNEF	43,5	25,4	1 7/16-18 UNEF	65	9,5
28	1 3/4-18 UNS	49,8	27,0	1 7/16-18 UNEF	65	9,5
32	2 -18 UNS	56,0	32,5	1 3/4-18 UNS	65	11,0
36	2 1/4-16 UN	62,5	35,7	2-18 UNS	80	11,8

Plug, heat shrink / with grounding finger GCA06E / EG-B / -03 / -06







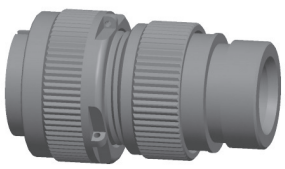
E- Straight plug with backshell for heat shrinkable endshells

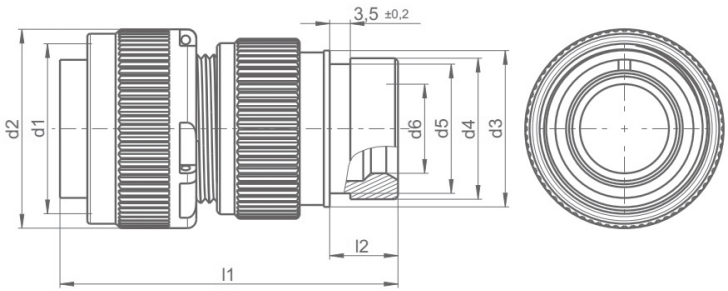
EG- Straight plug with grounding fingers and backshell for heat shrinkable end-shells.

Example:
GCA06E-18-1SB-03
GCA06EG-18-1SB-03

Shell size	d_1 max.	d_2 ±0,2	d_3 ±0,2	d_4 max.	d_5 min.	l_1 max.	l_2 ±0,5
10SL	22,8	17,0	15,5	13,3	7,7	50	11,7
12S	25,6	17,0	15,5	13,3	7,9	50	11,7
14S	29,2	20,1	19,1	17,0	10,6	50	11,7
16S	32,0	23,5	23,9	21,9	13,5	50	11,7
16	32,0	23,5	23,9	21,9	13,5	60	11,5
18	36,5	26,5	23,9	21,9	14,6	60	11,5
20	39,9	30,2	29,6	26,2	18,7	65	12,7
22	43,1	33,6	29,6	26,2	20,8	65	12,7
24	46,6	36,1	37,8	34,5	24,6	65	12,7
28	53,4	41,4	37,8	34,5	27,0	65	12,7
32	60,1	48,6	47,8	43,6	33,3	70	15,2
36	66,3	54,8	47,8	43,6	38,5	80	15,2

Plug, heat shrink / with grounding finger GCA06E / EG - DN



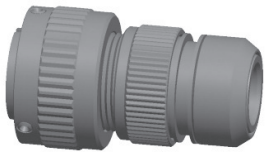


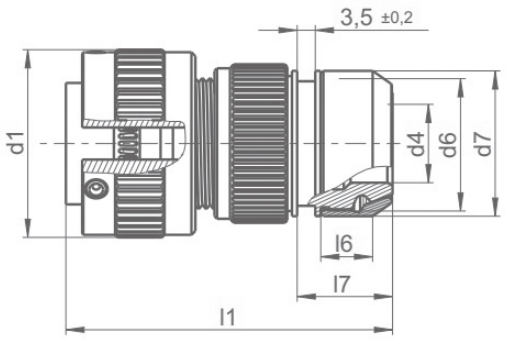
E- Straight plug with backshell for heat shrinkable endshells

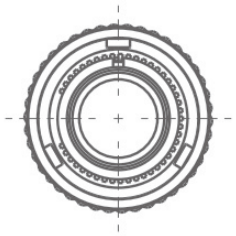
EG- Straight plug with grounding fingers and backshell for heat shrinkable end-shells.

Example:
GCA06E-18-1S-DN
GCA06EG-18-1S-DN

Shell size	d_1 Class 2B	d_2 max.	d_3 ±0,2	d_4 ±0,2	d_5 max.	d_6 min.	l_1 max.	l_2 ±0,5
10SL	5/8-24 UNEF	22,0	17,0	15,5	13,3	7,7	50	11,7
12S	3/4-20 UNEF	24,0	17,0	15,5	13,3	7,9	50	11,7
14S	7/8-20 UNEF	28,3	20,1	19,1	17,0	10,6	50	11,7
16S	1-20 UNEF	31,4	23,5	23,9	21,9	13,5	50	11,7
16	1-20 UNEF	31,4	23,5	23,9	21,9	13,5	60	11,5
18	1 1/8-18 UNEF	33,7	26,5	23,9	21,9	14,6	60	11,5
20	1 1/4-18 UNEF	36,8	30,2	29,6	26,2	18,7	65	12,7
22	1 3/8-18 UNEF	40,0	33,6	29,6	26,2	20,8	65	12,7
24	1 1/2-18 UNEF	43,5	36,1	37,8	34,5	24,6	65	12,7
28	1 3/4-18 UNS	49,8	41,4	37,8	34,5	27,0	65	12,7
32	2 -18 UNS	56,0	48,6	47,8	43,6	33,3	70	15,2
36	2 1/4-16 UN	62,5	54,8	47,8	43,6	38,5	80	15,2





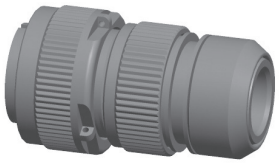


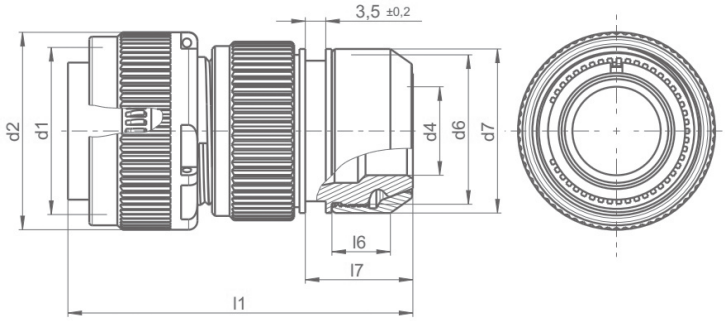
Straight plug with grounding fingers and backshell for shielding and heat shrinkable endshells.

Example:
GCA06M-18-1SB

Shell size	d_1 max.	d_4 min.	d_6 max.	d_7 ±0,5	l_1 max.	l_6 +2	l_7 +1
10SL	22,8	8,6	16,3	18,5	55	7	17
12S	25,6	9,3	17,0	20,0	56	7	17
14S	29,2	10,6	20,0	22,0	57	7	17
16S	32,0	13,5	23,0	25,0	60	8	18
16	32,0	13,5	23,0	25,0	70	8	18
18	36,5	14,6	24,5	28,0	70	10	18
20	39,9	18,5	28,5	32,0	70	10	18
22	43,1	20,8	30,5	34,0	70	10	18
24	46,6	24,6	34,5	38,0	70	10	18
28	53,4	27,0	37,5	41,0	70	10	18
32	60,1	33,3	44,0	48,0	70	10	18
36	66,3	38,5	51,0	55,0	80	10	18

Plug with grounding finger, shielding, heat shrink GCA06M



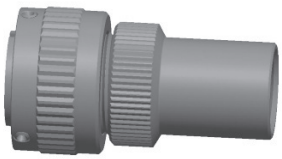


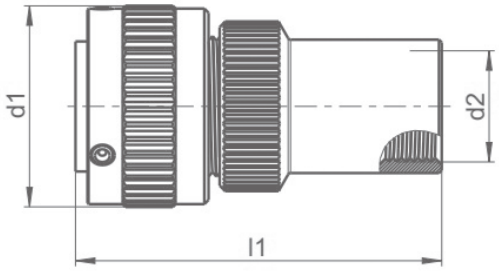
Straight plug with grounding fingers and backshell for shielding and heat shrinkable endshells.

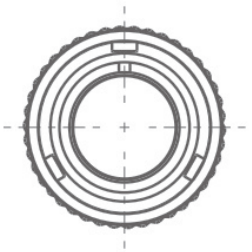
Example:
GCA06M-18-1S

Shell size	d_1 Class 2B	d_2 max.	d_4 min.	d_6 max.	d_7 ±0,5	l_1 max.	l_6 +2	l_7 +1
10SL	5/8-24 UNEF	22,0	8,6	16,3	18,5	55	7	17
12S	3/4-20 UNEF	24,0	9,3	17,0	20,0	56	7	17
14S	7/8-20 UNEF	28,3	10,6	20,0	22,0	57	7	17
16S	1-20 UNEF	31,4	13,5	23,0	25,0	60	8	18
16	1-20 UNEF	31,4	13,5	23,0	25,0	70	8	18
18	1 1/8-18 UNEF	33,7	14,6	24,5	28,0	70	10	18
20	1 1/4-18 UNEF	36,8	18,5	28,5	32,0	70	10	18
22	1 3/8-18 UNEF	40,0	20,8	30,5	34,0	70	10	18
24	1 1/2-18 UNEF	43,5	24,6	34,5	38,0	70	10	18
28	1 3/4-18 UNS	49,8	27,0	37,5	41,0	70	10	18
32	2 -18 UNS	56,0	33,3	44,0	48,0	70	10	18
36	2 1/4-16 UN	62,5	38,5	51,0	55,0	80	10	18

Plug, PG or metrical backshell GCA06PG- ME – B







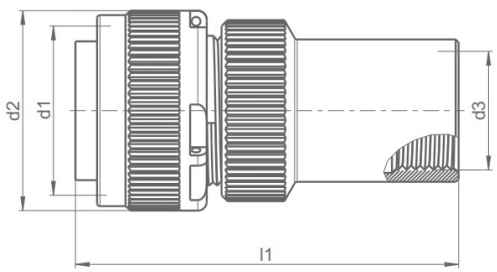
Free connector with PG or metrical backshell ME, without grommet.

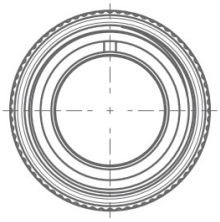
Example:
GCA06PG-18-1SB
or
GCA06ME-18-1SB

Shell size	d_1 max.	d_2 Thread type		l_1 max.
		PG	ME	
10SL	22,8	PG9	M12x1,5	55
12S	25,6	PG9	–	55
14S	29,2	PG11	M16x1,5	55
16S	32,0	PG13,5	M20x1,5	60
16	32,0	PG13,5	M20x1,5	70
18	36,5	PG13,5	M20x1,5	75
20	39,9	PG16	M25x1,5	75
22	43,1	PG16	M25x1,5	85
24	46,6	PG16	M25x1,5	85
28	53,4	PG21	M32x1,5	90
32	60,1	PG29	M40x1,5	95
36	66,3	PG29	M40x1,5	100

Plug, PG or metrical backshell GCA06PG-ME





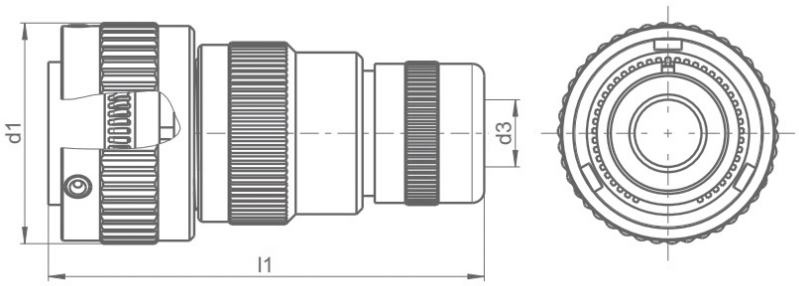


Free connector with PG or metrical backshell ME, without grommet.

Example:
GCA06PG-18-1S
or
GCA06ME-18-1S

Shell size	d1 Class 2B	d_2 max.	d_3 Thread type		l_1 max.
			PG	ME	
10SL	5/8-24 UNEF	22,0	PG9	M12x1,5	55
12S	3/4-20 UNEF	24,0	PG9	–	55
14S	7/8-20 UNEF	28,3	PG11	M16x1,5	55
16S	1-20 UNEF	31,4	PG13,5	M20x1,5	60
16	1-20 UNEF	31,4	PG13,5	M20x1,5	70
18	1 1/8-18 UNEF	33,7	PG13,5	M20x1,5	75
20	1 1/4-18 UNEF	36,8	PG16	M25x1,5	75
22	1 3/8-18 UNEF	40,0	PG16	M25x1,5	85
24	1 1/2-18 UNEF	43,5	PG16	M25x1,5	85
28	1 3/4-18 UNS	49,8	PG21	M32x1,5	90
32	2 -18 UNS	56,0	PG29	M40x1,5	95
36	2 1/4-16 UN	62,5	PG29	M40x1,5	100





Free connector with grounding finger, EGM backshell for shielded cable, without grommet.

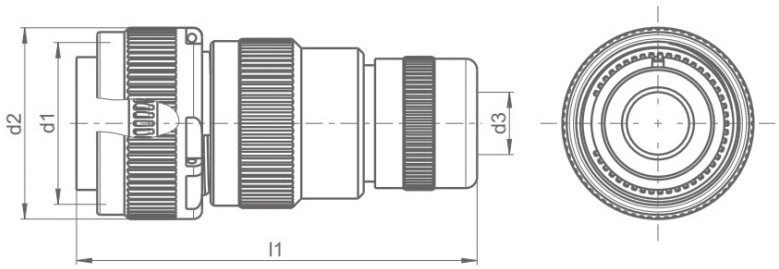
Example:
GCA06EGM11-18-1SB
or
GCA06EGM21-18-1SB

d3:
For EGM11 can accept cable min.
5,7 mm – max. 10,85 mm
For EGM21 can accept cable min.
12,7 mm – max. 17,85 mm

Shell size	d_1 max.	l_1 max.
10SL	22,8	53,0
12S	25,6	53,0
14S	29,2	53,0
16S	32,0	53,0
16	32,0	61,0
18	36,5	62,0
20	ON REQUEST	
22	ON REQUEST	
24	ON REQUEST	
28	ON REQUEST	
32	ON REQUEST	
36	ON REQUEST	

Plug with grounding finger, shielding, universal backshell GCA06EGM





Free connector with grounding finger, EGM backshell for shielded cable, without grommet.

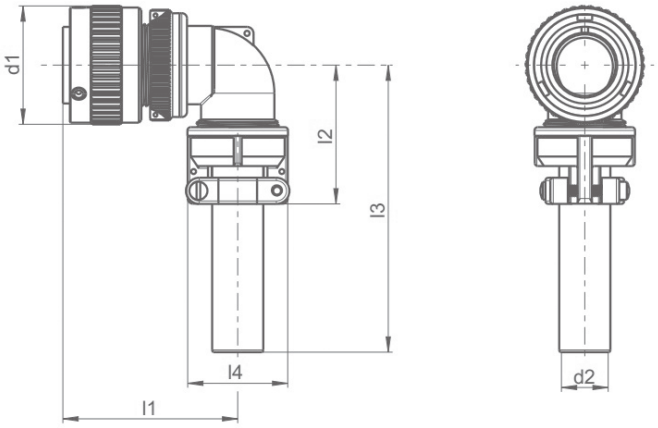
Example:
GCA06EGM11-18-1S
or
GCA06EGM21-18-1S

d3:
For EGM11 can accept cable min.
5,7 mm – max. 10,85 mm
For EGM21 can accept cable min.
12,7 mm – max. 17,85 mm

Shell size	d_1 Class 2B	d_2 max.	l_1 max.
10SL	5/8-24 UNEF	22,0	53,0
12S	3/4-20 UNEF	24,0	53,0
14S	7/8-20 UNEF	28,3	53,0
16S	1-20 UNEF	31,4	53,0
16	1-20 UNEF	31,4	61,0
18	1 1/8-18 UNEF	33,7	62,0
20	ON REQUEST		
22	ON REQUEST		
24	ON REQUEST		
28	ON REQUEST		
32	ON REQUEST		
36	ON REQUEST		

Plug, 90° backshell, cable clamp and bushing GCA08E – B





Angular plug, with cable clamp and bushing.

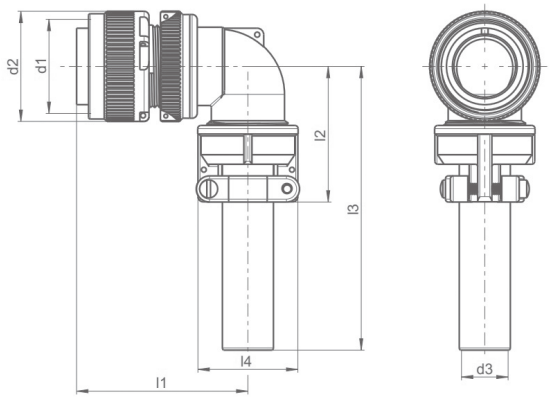
Example:
GCA08E-18-1SB

Shell size	d_1 max.	d_2 (1) max.	l_1 max.	l_2 max.	l_3 max.	l_4 max.
10SL	22,8	6,5	45	42	100	22,7
12S	25,6	6,5	45	42	100	22,7
14S	29,2	9,0	47	42	100	27,5
16S	32,0	11,0	48	45	100	30,0
16	32,0	11,0	57	45	100	30,0
18	36,5	14,2	58	53	100	33,0
20	39,9	15,8	61	53	100	37,5
22	43,1	15,8	61	58	100	37,5
24	46,6	21,4	66	58	100	43,3
28	53,4	21,4	66	58	100	48,0
32	60,1	26,7	72	66	110	55,0
36	66,3	31,7	75	69	110	58,0

(1) For max. admissible cable diameter

Plug, 90° backshell, cable clamp and bushing GCA08E



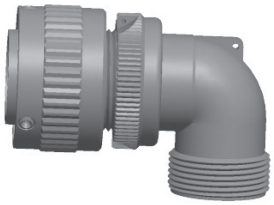


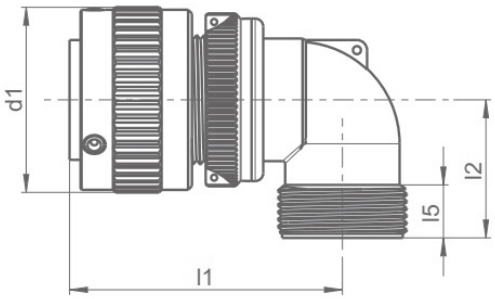
Angular plug, with cable clamp and bushing.

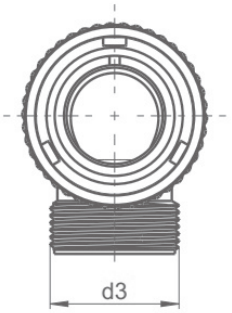
Example:
GCA08E-18-1S

Shell size	d_1 Class 2B	d_2 max.	d_3 (1) max.	l_1 max.	l_2 max.	l_3 max.	l_4 max.
10SL	5/8-24 UNEF	22,0	6,5	45	42	100	22,7
12S	3/4-20 UNEF	24,0	6,5	45	42	100	22,7
14S	7/8-20 UNEF	28,3	9,0	47	42	100	27,5
16S	1-20 UNEF	31,4	11,0	48	45	100	30,0
16	1-20 UNEF	31,4	11,0	57	45	100	30,0
18	1 1/8-18 UNEF	33,7	14,2	58	53	100	33,0
20	1 1/4-18 UNEF	36,8	15,8	61	53	100	37,5
22	1 3/8-18 UNEF	40,0	15,8	61	58	100	37,5
24	1 1/2-18 UNEF	43,5	21,4	66	58	100	43,3
28	1 3/4-18 UNS	49,8	21,4	66	58	100	48,0
32	2 -18 UNS	56,0	26,7	72	66	110	55,0
36	2 1/4-16 UN	62,5	31,7	75	69	110	58,0

(1) For max. admissible cable diameter





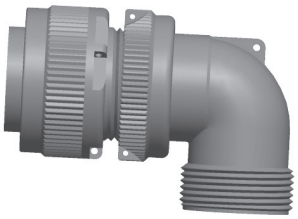


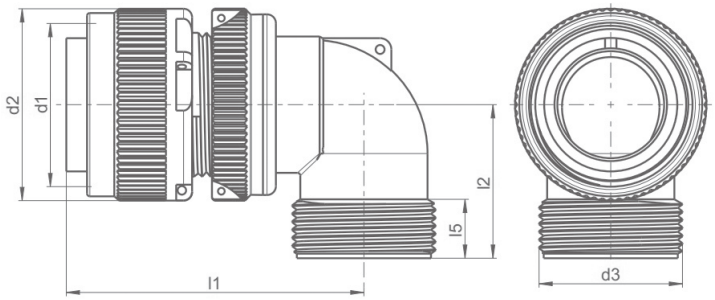
Angular plug with backshell for conduit termination.

Example:
GCA08F-18-1SB

Shell size	d_1 max.	d_3 Class 2A	l_1 max.	l_2 max.	l_5 min.
10SL	22,8	5/8-24 UNEF	45	30	9,4
12S	25,6	5/8-24 UNEF	45	30	9,4
14S	29,2	3/4-20 UNEF	47	30	9,4
16S	32,0	7/8-20 UNEF	48	30	9,4
16	32,0	7/8-20 UNEF	57	35	9,4
18	36,5	1-20 UNEF	58	35	9,4
20	39,9	1 3/16-18 UNEF	61	35	9,4
22	43,1	1 3/16-18 UNEF	61	40	9,4
24	46,6	1 7/16-18 UNEF	66	40	9,4
28	53,4	1 7/16-18 UNEF	66	40	9,4
32	60,1	1 3/4-18 UNS	72	45	11,0
36	66,3	2-18 UNS	75	50	12,6

Plug, 90° backshell, conduit termination GCA08F





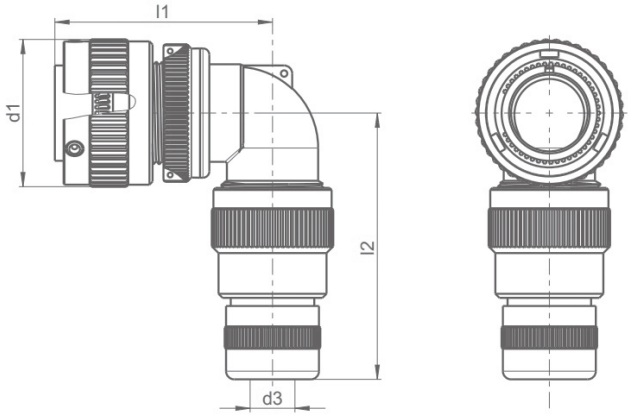
Angular plug with backshell for conduit termination.

Example:
GCA08F-18-1S

Shell size	d_1 Class 2B	d_2 max.	d_3 Class 2A	l_1 max.	l_2 max.	l_3 min.
10SL	5/8-24 UNEF	22,0	5/8-24 UNEF	45	30	9,4
12S	3/4-20 UNEF	24,0	5/8-24 UNEF	45	30	9,4
14S	7/8-20 UNEF	28,3	3/4-20 UNEF	47	30	9,4
16S	1-20 UNEF	31,4	7/8-20 UNEF	48	30	9,4
16	1-20 UNEF	31,4	7/8-20 UNEF	57	35	9,4
18	1 1/8-18 UNEF	33,7	1-20 UNEF	58	35	9,4
20	1 1/4-18 UNEF	36,8	1 3/16-18 UNEF	61	35	9,4
22	1 3/8-18 UNEF	40,0	1 3/16-18 UNEF	61	40	9,4
24	1 1/2-18 UNEF	43,5	1 7/16-18 UNEF	66	40	9,4
28	1 3/4-18 UNS	49,8	1 7/16-18 UNEF	66	40	9,4
32	2 -18 UNS	56,0	1 3/4-18 UNS	72	45	11,0
36	2 1/4-16 UN	62,5	2 -18 UNS	75	50	12,6

40 Plug with grounding finger, 90° backshell and universal backshell GCA08EGM – B





Angular plug with grounding finger, EGM backshell for shielded cable.

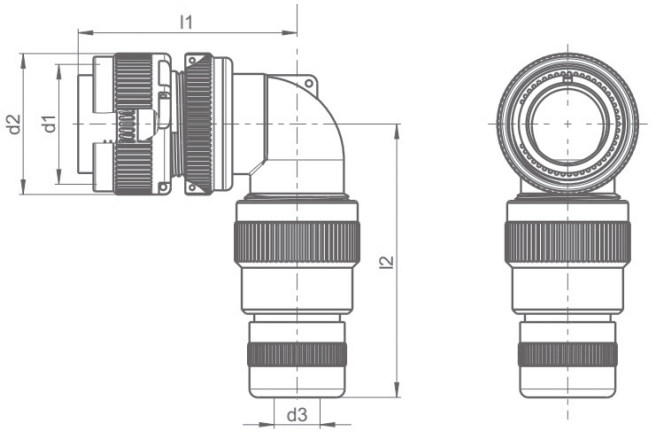
Example:
GCA08EGM11-18-1SB
or
GCA08EGM21-18-1SB

d3:
For EGM11 can accept cable min. 5,7 mm – max. 10,85 mm
For EGM21 can accept cable min. 12,7 mm – max. 17,85 mm

Shell size	d_1 max.	l_1 max.	l_2 max.
10SL	22,8	41	91
12S	25,6	41	91
14S	29,2	41	91
16S	32,0	43	93
16	32,0	53	93
18	36,5	55	95
20	ON REQUEST		
22	ON REQUEST		
24	ON REQUEST		
28	ON REQUEST		
32	ON REQUEST		
36	ON REQUEST		

Plug with grounding finger, 90° backshell and universal backshell GCA08EGM





Angular plug with grounding finger, EGM backshell for shielded cable.

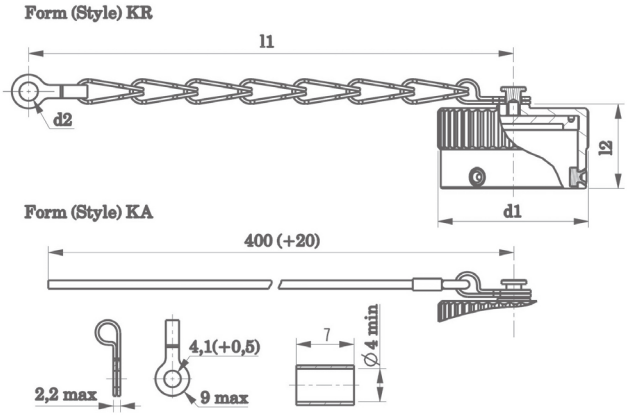
Example:
GCA08EGM11-18-1S
or
GCA08EGM21-18-1S

d3:
For EGM11 can accept cable min. 5,7 mm – max. 10,85 mm
For EGM21 can accept cable min. 12,7 mm – max. 17,85 mm

Shell size	d_1 Class 2B	d_2 max.	l_1 max.	l_2 max.
10SL	5/8-24 UNEF	22,0	41	91
12S	3/4-20 UNEF	24,0	41	91
14S	7/8-20 UNEF	28,3	41	91
16S	1-20 UNEF	31,4	43	93
16	1-20 UNEF	31,4	53	93
18	1 1/8-18 UNEF	33,7	55	95
20	ON REQUEST			
22	ON REQUEST			
24	ON REQUEST			
28	ON REQUEST			
32	ON REQUEST			
36	ON REQUEST			

Protective cover for receptacle GCA-KRB / GCA-KAB





Protective cover for receptacle. Style KR with chain or style KA with rope.

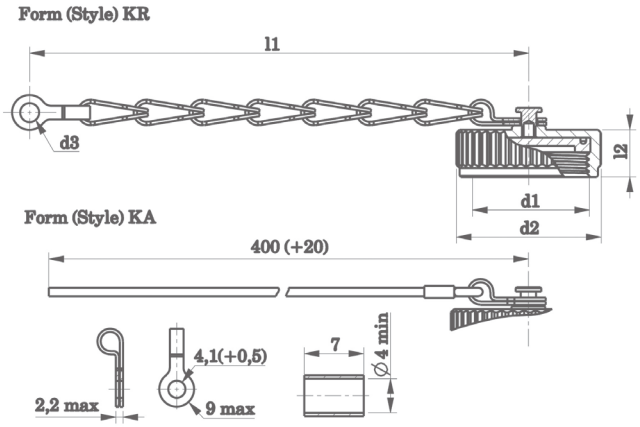
Example:
GCA-KRBXX-X
GCA-KABXX-X

X for plating
XX for shell size

Shell size	d_1 max.	d_2 +0,6	l_1 max.	l_2 max.
10SL	23,5	4,3	90	20
12S	27,0	4,3	90	20
14S	30,5	4,3	90	20
16S	33,0	4,3	90	20
16	33,0	4,3	100	25
18	37,5	4,3	100	25
20	41,0	4,3	115	25
22	44,0	4,3	115	25
24	47,5	4,3	115	25
28	54,5	5,5	160	25
32	61,0	5,5	160	25
36	67,5	5,5	160	25

Protective cover for receptacle GCA-KR / GCA-KA





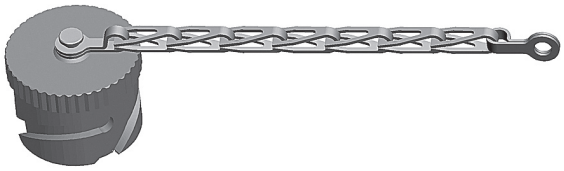
Protective cover for receptacle. Style KR with chain or style KA with rope

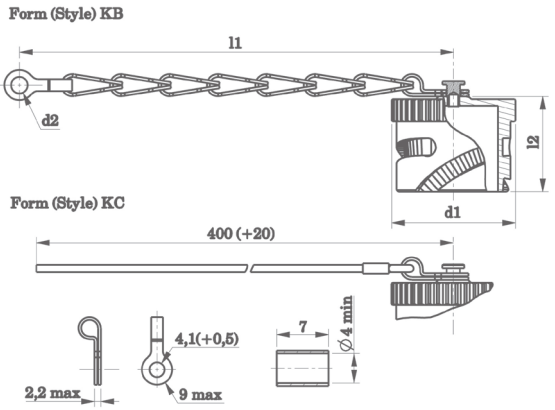
Example:
GCA-KRXX-X
GCA-KAXX-X

X for plating
XX for shell size

Shell size	d_1 Class 2B	d_2 max.	d_3 +0,6	l_1 max.	l_2 max.
10SL	5/8-24 UNEF	20,7	4,3	90	11,2
12S	3/4-20 UNEF	25,4	4,3	90	11,2
14S	7/8-20 UNEF	28,6	4,3	90	11,2
16S	1-20 UNEF	30,2	4,3	90	11,2
16	1-20 UNEF	30,2	4,3	100	11,2
18	1 1/8-18 UNEF	34,1	4,3	100	11,2
20	1 1/4-18 UNEF	37,3	4,3	115	11,2
22	1 3/8-18 UNEF	40,4	4,3	115	11,2
24	1 1/2-18 UNEF	43,6	4,3	115	11,2
28	1 3/4-18 UNS	50,0	5,5	160	12,7
32	2 -18 UNS	56,3	5,5	160	12,7
36	2 1/4-16 UN	62,7	5,5	160	12,7

42 Protective cover for plug GCA-KBB / GCA-KCB





Protective cover for plug shell. Style KB with chain or style KC with rope.

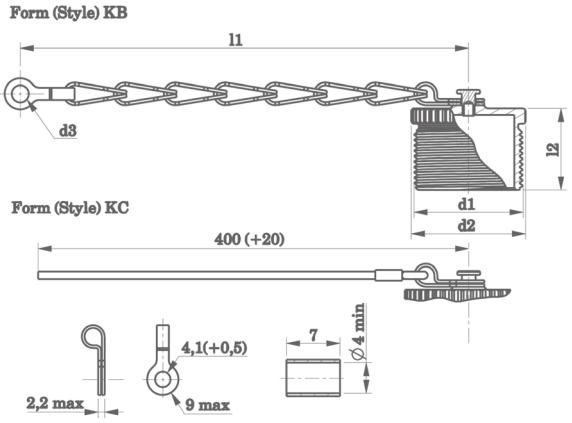
Example:
GCA-KBBXX-X
GCA-KCBXX-X

X for plating
XX for shell size

Shell size	d_1 max.	d_2 +0,6	l_1 max.	l_2 max.
10SL	21,0	4,3	90	29
12S	24,0	4,3	100	29
14S	27,5	4,3	100	29
16S	30,0	4,3	100	29
16	30,0	4,3	115	37
18	33,5	4,3	115	37
20	37,0	4,7	130	37
22	40,0	4,7	130	37
24	43,5	4,7	130	37
28	49,5	4,7	190	37
32	56,0	5,5	190	37
36	62,5	5,5	190	37

Protective cover for plug GCA-KB / GCA-KC





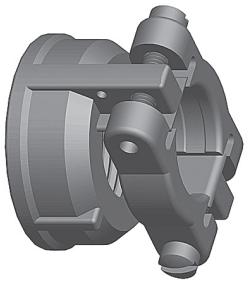
Protective cover for plug shell. Style KB with chain or style KC with rope.

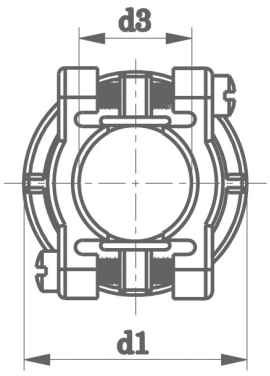
Example:
GCA-KBXX-X
GCA-KCXX-X

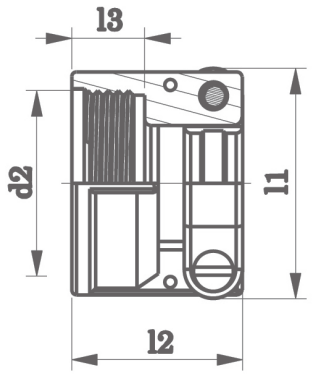
X for plating
XX for shell size

Shell size	d_1 Class 2B	d_2 max.	d_3 +0,6	l_1 max.	l_2 max.
10SL	5/8-24 UNEF	17,4	4,3	90	16,7
12S	3/4-20 UNEF	20,6	4,3	100	21,4
14S	7/8-20 UNEF	23,7	4,3	100	21,4
16S	1-20 UNEF	26,9	4,3	100	21,4
16	1-20 UNEF	26,9	4,3	115	21,4
18	1 1/8-18 UNEF	30,0	4,3	115	21,4
20	1 1/4-18 UNEF	33,0	4,7	130	21,4
22	1 3/8-18 UNEF	36,4	4,7	130	21,4
24	1 1/2-18 UNEF	39,6	4,7	130	21,4
28	1 3/4-18 UNS	46,0	4,7	190	21,4
32	2 -18 UNS	52,0	5,5	190	21,4
36	2 1/4-16 UN	58,7	5,5	190	21,4

Plug, universal backshell GCA-KK







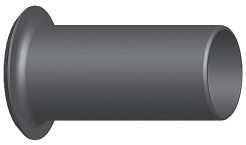
Clamp for connector style E

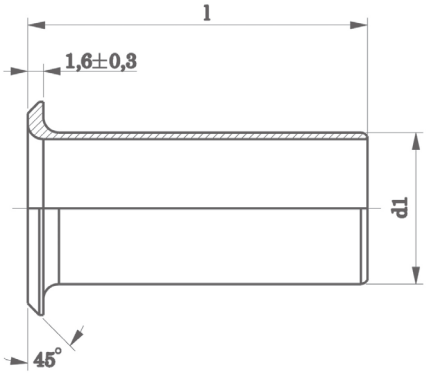
Example:
GCA-KKXX

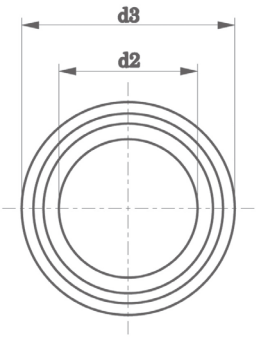
XX for shell size

Size	Order-No. MS	d_1 ±0,79	d_2 Class 2B	d_3 max.	l_1 ±0,79	l_2 ±0,79	l_3
10SL / 12S	MS3057-4A	20,63	5/8-24 UNEF	8,0	22,23	20,63	10,3
14S	MS3057-6A	24,61	3/4-20 UNEF	11,2	26,98	22,23	10,3
16S / 16	MS3057-8A	27,79	7/8-20 UNEF	14,3	29,36	23,83	10,3
18	MS3057-10A	30,18	1-20 UNEF	15,9	31,75	23,83	10,3
20 / 22	MS3057-12A	34,93	1 3/16-18 UNEF	19,1	37,31	23,83	10,3
24 / 28	MS3057-16A	42,06	1 7/16-18 UNEF	23,9	42,88	26,19	10,3
32	MS3057-20A	51,59	1 3/4-18 UNS	31,8	51,59	27,79	11,9
36	MS3057-24A	56,36	2-18 UNS	35,0	57,94	29,36	13,5

Plug, universal backshell GCA-KT







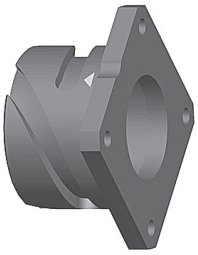
Bushing

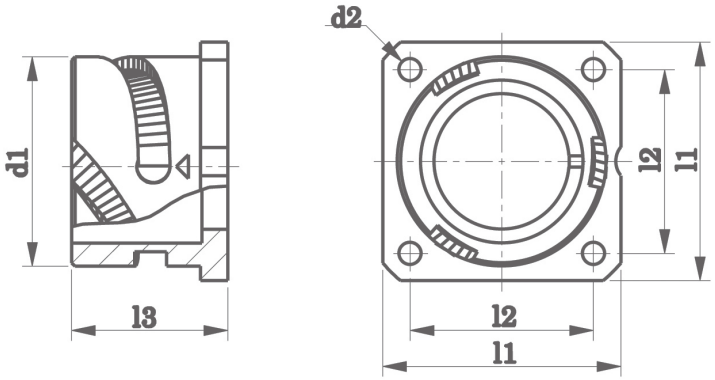
Example:
GCA-KTXX

XX for shell size

Size	Order-No. according to		d_1	d_2	d_3	l
	VG95234	MS				
10SL / 12S	VG95234KT10SL	MS3420-4	8,0	6,6	10,0	70,0
14S	VG95234KT14S	MS3420-6	10,9	9,1	12,7	67,0
16S / 16	VG95234KT16	MS3420-8	14,0	11,1	18,9	63,5
18	VG95234KT18	MS3420-10	15,7	14,3	22,6	60,3
20 / 22	VG95234KT20	MS3420-12	18,8	15,9	27,5	57,0
24 / 28	VG95234KT24	MS3420-16	23,6	21,5	33,3	54,0
32	VG95234KT32	MS3420-20	31,5	26,8	40,4	51,0
36	VG95234KT36	MS3420-24	34,7	31,8	46,9	47,6

Protective cover for plug / Dummy





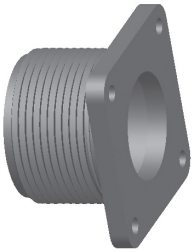
Dummy, backs side open, for front panel mounting.

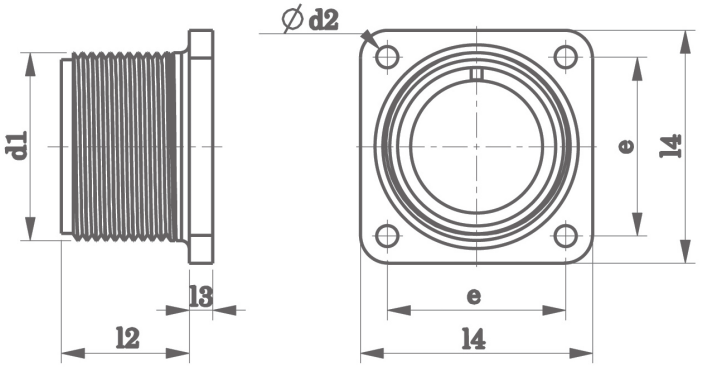
Example:
GCA-BODBXX

XX for shell size

Shell size	d_1 –0,15	d_2 ±0,2	l_1 ±0,3	l_2 ±0,1	l_3 max.
10SL	18,2	3,2	25,4	18,2	17,5
12S	21,3	3,2	28,05	20,6	17,5
14S	24,6	3,2	30,0	23,0	18,0
16S	27,4	3,2	32,5	24,6	18,0
16	27,4	3,2	32,5	24,6	23,5
18	30,8	3,2	35,0	27,0	23,5
20	34,2	3,2	38,0	29,4	23,5
22	37,4	3,2	41,0	31,8	23,5
24	40,9	3,7	44,5	34,9	25,5
28	46,7	3,7	50,8	39,7	25,5
32	53,4	4,3	57,0	44,5	27,0
36	59,6	4,3	63,5	49,2	27,0

Protective cover for plug / Dummy



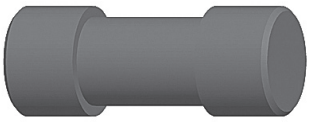


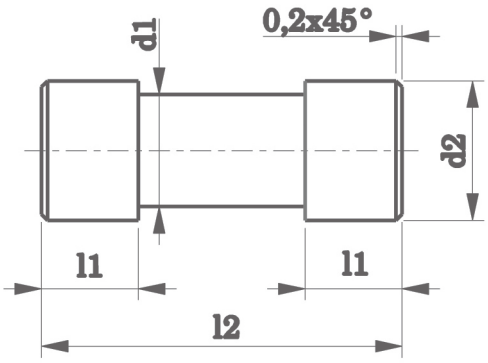
Dummy, backs side open, for front panel mounting.

Example:
GCA-BODXX

XX for shell size

Shell size	d_1 Class 2A	e ±0,1	d_2 ±0,2	l_2 ±0,4	l_3 ±0,2	l_4 ±0,3
10SL	5/8-24 UNEF	18,2	3,2	14,27	2,17	25,6
12S	3/4-20 UNEF	20,6	3,2	14,27	2,17	27,8
14S	7/8-20 UNEF	23,0	3,2	14,27	2,17	30,4
16S	1-20 UNEF	24,6	3,2	14,27	2,17	32,8
16	1-20 UNEF	24,6	3,2	19,05	2,17	32,8
18	1 1/8-18 UNEF	27,0	3,2	19,05	3,37	35,1
20	1 1/4-18 UNEF	29,4	3,2	19,05	3,37	38,1
22	1 3/8-18 UNEF	31,8	3,2	19,05	3,37	41,5
24	1 1/2-18 UNEF	34,9	3,7	20,62	3,37	44,7
28	1 3/4-18 UNS	39,7	3,7	20,62	3,37	51,1
32	2 -18 UNS	44,5	4,3	22,22	3,37	57,2
36	2 1/4-16 UN	49,2	4,3	22,22	3,37	63,7





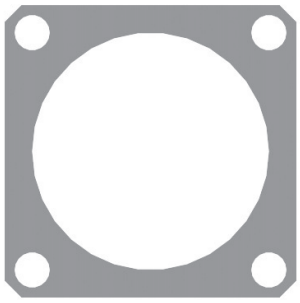
Grommet cavities without contacts have to be equipped with sealing plugs.

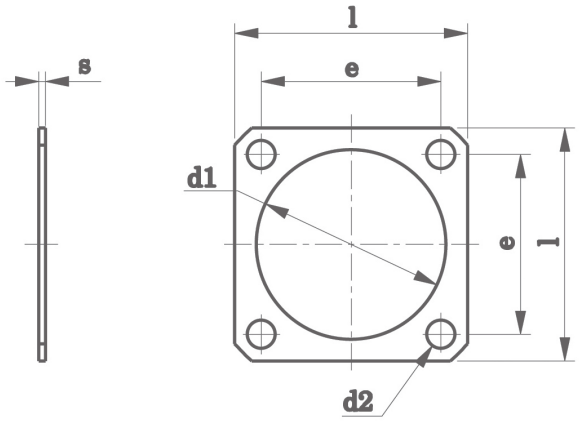
Example:
GCA-BXX

XX for plug size

Plug size	For contact size		d_1 ±0,1	d_2 ±0,2	l_1 ±0,1	l_2 ±0,3	Color
	Metrical	AWG					
20	10	20	2,3	3,0	2,4	9,7	red
16	15S / 15	16	2,8	3,7	3,2	11,9	blue
12	25 / 25A	12	3,7	4,6	3,2	11,9	yellow
8	60 / 100	8	5,0	5,8	3,2	11,9	white
4	160	4	7,6	8,5	3,2	11,9	green
0	500	0	12,8	13,5	3,2	11,9	black

Gaskets





For front panel mounting
Example: GCB-DAXX-Y1
GCB-DAXX-Y2-A oder B

For back panel mounting
Example: GCB-DHXX-Y1
GCB-DHXX-Y2-A oder B

Meaning:
XX for shell size
Y1 for non conductive
Y2-A for conductive in fluor silicone with Ag/Al conductive filler
Y2-B for conductive in fluor silicone with Ni/C conductive filler

Version A:
Admissible ambient temperature: -55 °C to 160 °C
Fluor silicone with Ag/Al conductive filler
Hardness (65 ± 10) Shore A according to DIN EN ISO 868 Colour: blue-grey
Shielding effectiveness: 80 dB

Version B:
Admissible ambient temperature: -55 °C to 160 °C
Fluor silicone with Ni/C conductive filler
Hardness (75 ± 7) Shore A according to DIN EN ISO 868 Colour: dark-grey
Shielding effectiveness: 70 dB

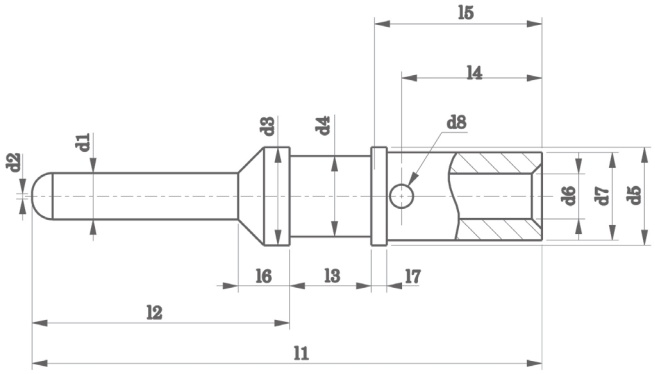
For front panel mounting

Size	d_1 +1	d_2 +0,5	e ±0,2	l ±0,5	S	
					Version 1 ±0,4	Version 2 A and B ±0,2
10SL	15,7	4,2	18,2	25,4	1	0,5
12S	19,1	4,2	20,6	27,8	1	0,5
14S	22,1	4,2	23,0	30,0	1	0,5
16S / 16	25,3	4,2	24,6	32,5	1	0,5
18	28,4	4,2	27,0	35,0	1	0,5
20	31,6	4,2	29,4	38,0	1	0,5
22	34,8	4,2	31,8	41,0	1	0,5
24	38,0	4,2	34,9	44,5	1	0,5
28	44,3	5,1	39,7	50,8	1	0,8
32	50,7	5,1	44,5	57,0	1	0,8
36	57,0	5,1	49,2	63,5	1	0,8

For back panel mounting

Size	d_1 +0,3	d_2 +0,5	e ±0,2	l ±0,5	S	
					Version 1 ±0,4	Version 2 A and B ±0,2
10SL	18,2	4,2	18,2	25,4	1	0,5
12S	21,4	4,2	21,4	28,0	1	0,5
14S	24,6	4,2	23,0	30,0	1	0,5
16S / 16	27,4	4,2	24,6	32,5	1	0,5
18	30,8	4,2	27,0	35,0	1	0,5
20	34,2	4,2	29,4	38,0	1	0,5
22	37,4	4,2	31,8	41,0	1	0,5
24	40,9	4,2	34,9	44,5	1	0,5
28	46,7	5,1	39,7	50,8	1	0,8
32	53,4	5,1	44,5	57,0	1	0,8
36	59,6	5,1	49,2	63,5	1	0,8

Pin contacts as per VG 95234

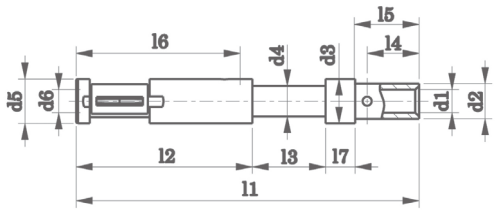


Contact size		Part-Number			d_1 -0,05	d_2 max.	d_3	d_4	d_5	d_6	d_7
Metrical	AWG	VG95234	silver plated	gold plated							
10	–	VG95234P10	GCB10M	GCB10M-A176	1,04	0,4	2,0 $^{-0,05}$	1,5 $^{-0,05}$	2,6 $^{-0,10}$	1,50 $^{+0,05}$	2,40 $^{-0,05}$
		VG95234P10-001	GCB10M-001	GCB10M-001-A176						0,90 $^{+0,05}$	
15S	–	VG95234P15S	GCB15SM	GCB15SM-A176	1,6	0,4	3,2 $^{-0,10}$	1,75 $^{-0,10}$	3,2 $^{-0,10}$	1,75 $^{+0,08}$	2,75 $^{-0,05}$
		VG95234P15S-001	GCB15SM-001	GCB15SM-001-A176						0,90 $^{+0,05}$	
		VG95234P15S-002	GCB15SM-002	GCB15SM-002-A176						1,20 $^{+0,10}$	
15	–	VG95234P15	GCB15M	GCB15M-A176	1,6	0,4	3,2 $^{-0,10}$	1,75 $^{-0,10}$	3,2 $^{-0,10}$	1,75 $^{+0,08}$	2,75 $^{-0,05}$
		VG95234P15-001	GCB15M-001	GCB15M-001-A176						0,90 $^{+0,05}$	
		VG95234P15-002	GCB15M-002	GCB15M-002-A176						1,20 $^{+0,10}$	
25	12	VG95234P25	GCB25M	GCB25M-A176	2,4	0,4	4,8 $^{-0,10}$	3,30 $^{-0,15}$	4,8 $^{-0,10}$	2,50 $^{+0,10}$	3,80 $^{-0,10}$
		VG95234P25-001	GCB25M-001	GCB25M-001-A176						1,75 $^{+0,08}$	3,40 $^{-0,05}$
25A	–	VG95234P25A	GCB25AM	GCB25AM-A176	2,4	0,4	4,8 $^{-0,10}$	3,30 $^{-0,15}$	4,8 $^{-0,10}$	2,50 $^{+0,10}$	3,80 $^{-0,10}$
60	–	VG95234P60	GCB60M	GCB60M-A176	3,6	0,4	7,6 $^{-0,20}$	6,25 $^{-0,15}$	7,6 $^{-0,20}$	3,50 $^{+0,10}$	6,80 $^{-0,10}$
		VG95234P60-001	GCB60M-001	GCB60M-001-A176						2,50 $^{+0,05}$	
–	8	VG95234P8	GCB8M	GCB8M-A176	3,6	0,4	7,6 $^{-0,20}$	6,25 $^{-0,15}$	7,6 $^{-0,20}$	4,55 $^{+0,10}$	6,80 $^{-0,10}$
100	–	VG95234P100	GCB100M	GCB100M-A176	3,6	0,4	7,6 $^{-0,20}$	6,25 $^{-0,15}$	7,6 $^{-0,20}$	4,80 $^{+0,10}$	6,80 $^{-0,10}$
160	–	VG95234P160	GCB160M	GCB160M-A176	5,75	2,5	11,2 $^{-0,20}$	9,55 $^{-0,15}$	11,2 $^{-0,20}$	6,20 $^{+0,15}$	9,55 $^{-0,10}$
		VG95234P160-001	GCB160M-001	GCB160M-001-A176						5,70 $^{+0,10}$	
–	4	VG95234P4	GCB4M	GCB4M-A176	5,75	2,5	11,2 $^{-0,20}$	9,55 $^{-0,15}$	11,2 $^{-0,20}$	7,10 $^{+0,15}$	9,55 $^{-0,10}$
500	–	VG95234P500	GCB500M	GCB500M-A176	9,1	5,8	15,15 $^{-0,20}$	13,55 $^{-0,15}$	15,15 $^{-0,20}$	10,70 $^{+0,15}$	14,35 $^{-0,10}$
		VG95234P500-001	GCB500M-001	GCB500M-001-A176						7,60 $^{+0,15}$	
		VG95234P500-002	GCB500M-002	GCB500M-002-A176						9,10 $^{+0,15}$	
–	0	VG95234P0	GCB0M	GCB0M-A176	9,1	5,8	15,15 $^{-0,20}$	13,55 $^{-0,15}$	15,15 $^{-0,20}$	11,50 $^{+0,15}$	14,35 $^{-0,10}$

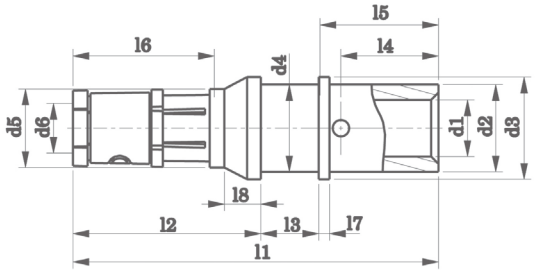
Contact size		Part-Number			d_8 ±0,1	l_1 ±0,2	l_2 ±0,15	l_3 ±0,1	l_4 0 -0,2	l_5 min.	l_6	l_7
Metrical	AWG	VG95234	silver plated	gold plated								
10	–	VG95234P10	GCB10M	GCB10M-A176	0,7	28,4	11,3	4,75	3,4	4,6	1,3 $^{\pm0,10}$	0,8 $^{\pm0,10}$
		VG95234P10-001	GCB10M-001	GCB10M-001-A176								
15S	–	VG95234P15S	GCB15SM	GCB15SM-A176	1	27,4	13,9	3,85	5,6	6,8	2,4 $^{\pm0,20}$	3,2 $^{\pm0,20}$
		VG95234P15S-001	GCB15SM-001	GCB15SM-001-A176								
		VG95234P15S-002	GCB15SM-002	GCB15SM-002-A176								
15	–	VG95234P15	GCB15M	GCB15M-A176	1	31,4	13,9	7,9	5,6	6,8	2,4 $^{\pm0,20}$	3,2 $^{\pm0,20}$
		VG95234P15-001	GCB15M-001	GCB15M-001-A176								
		VG95234P15-002	GCB15M-002	GCB15M-002-A176								
25	12	VG95234P25	GCB25M	GCB25M-A176	1,8	37	18,3	7,9	5,6	6,8	2,4 $^{\pm0,20}$	3,8 $^{\pm0,20}$
		VG95234P25-001	GCB25M-001	GCB25M-001-A176								
25A	–	VG95234P25A	GCB25AM	GCB25AM-A176	1,8	33,9	15,2	7,9	5,6	6,8	2,4 $^{\pm0,20}$	3,8 $^{\pm0,20}$
60	–	VG95234P60	GCB60M	GCB60M-A176	1,8	39,6	20	6,35	10,7	12	4,0 $^{\pm0,20}$	1,2 $^{\pm0,20}$
		VG95234P60-001	GCB60M-001	GCB60M-001-A176								
–	8	VG95234P8	GCB8M	GCB8M-A176	1,8	39,6	20	6,35	10,7	12	4,0 $^{\pm0,20}$	1,2 $^{\pm0,20}$
100	–	VG95234P100	GCB100M	GCB100M-A176	1,8	39,6	20	6,35	10,7	12	4,0 $^{\pm0,20}$	1,2 $^{\pm0,20}$
160	–	VG95234P160	GCB160M	GCB160M-A176	1,8	39,6	20	6,35	10,7	12	4,0 $^{\pm0,20}$	1,2 $^{\pm0,20}$
		VG95234P160-001	GCB160M-001	GCB160M-001-A176								
–	4	VG95234P4	GCB4M	GCB4M-A176	1,8	39,6	20	6,35	10,7	12	4,0 $^{\pm0,20}$	1,2 $^{\pm0,20}$
500	–	VG95234P500	GCB500M	GCB500M-A176	1,8	41	20	6,35	12	14	4,0 $^{\pm0,20}$	1,2 $^{\pm0,20}$
		VG95234P500-001	GCB500M-001	GCB500M-001-A176								
		VG95234P500-002	GCB500M-002	GCB500M-002-A176								
–	0	VG95234P0	GCB0M	GCB0M-A176	1,8	41	20	6,35	12	14	4,0 $^{\pm0,20}$	1,2 $^{\pm0,20}$

Socket contacts as per VG95234

Size
10; 15S; 15; 25



Size
60; 8; 100,
160; 4; 500; 0



Contact size		Part-Number			d_1	d_2	d_3	d_4	d_5	d_6	l_1
Metrical	AWG	VG95234	silver plated	gold plated							
10	–	VG95234S10	GCB10F	GCB10F-A176	1,50 $^{+0,05}$	2,40 $^{-0,05}$	2,6 $^{-0,10}$	1,50 $^{-0,05}$	2,0 $^{-0,10}$	1,07 $^{+0,20}$	36,8 $^{\pm0,30}$
		VG95234S10-001	GCB10F-001	GCB10F-001-A176	0,90 $^{+0,05}$						
15S	–	VG95234S15S	GCB15SF	GCB15SF-A176	1,75 $^{+0,08}$	2,75 $^{-0,05}$	3,2 $^{-0,15}$	1,75 $^{-0,10}$	3,2 $^{-0,15}$	1,65 $^{+0,30}$	29,1 $^{\pm0,20}$
		VG95234S15S-001	GCB15SF-001	GCB15SF-001-A176	0,90 $^{+0,05}$						
		VG95234S15S-002	GCB15SF-002	GCB15SF-002-A176	1,20 $^{+0,10}$						
15	–	VG95234S15	GCB15F	GCB15F-A176	1,75 $^{+0,08}$	2,75 $^{-0,05}$	3,2 $^{-0,15}$	1,75 $^{-0,10}$	3,2 $^{-0,15}$	1,65 $^{+0,30}$	37,8 $^{\pm0,20}$
		VG95234S15-001	GCB15F-001	GCB15F-001-A176	0,90 $^{+0,05}$						
		VG95234S15-002	GCB15F-002	GCB15F-002-A176	1,20 $^{+0,10}$						
25	12	VG95234S25	GCB25F	GCB25F-A176	2,50 $^{+0,10}$	3,80 $^{-0,10}$	4,8 $^{-0,10}$	3,30 $^{-0,10}$	4,8 $^{-0,10}$	2,45 $^{+0,30}$	37,0 $^{\pm0,20}$
		VG95234S25-001	GCB25F-001	GCB25F-001-A176	1,75 $^{+0,08}$	3,40 $^{-0,05}$					
60	–	VG95234S60	GCB60F	GCB60F-A176	3,50 $^{+0,10}$	6,80 $^{-0,10}$	7,6 $^{-0,20}$	6,25 $^{-0,20}$	6,5 $^{-0,20}$	3,65 $^{\pm0,05}$	40,1 $^{\pm0,20}$
		VG95234S60-001	GCB60F-001	GCB60F-001-A176	2,50 $^{+0,05}$						
–	8	VG95234S8	GCB8F	GCB8F-A176	4,55 $^{+0,10}$	6,80 $^{-0,10}$	7,6 $^{-0,20}$	6,25 $^{-0,20}$	6,5 $^{-0,20}$	3,65 $^{\pm0,05}$	40,1 $^{\pm0,20}$
100		VG95234S100	GCB100F	GCB100F-A176	4,80 $^{+0,10}$	6,80 $^{-0,10}$	7,6 $^{-0,20}$	6,25 $^{-0,20}$	6,5 $^{-0,20}$	3,65 $^{\pm0,05}$	40,1 $^{\pm0,20}$
160	–	VG95234S160	GCB160F	GCB160F-A176	6,20 $^{+0,15}$	9,55 $^{-0,10}$	11,2 $^{-0,20}$	9,55 $^{-0,20}$	8,6 $^{-0,20}$	5,80 $^{\pm0,05}$	40,1 $^{\pm0,20}$
		VG95234S160-001	GCB160F-001	GCB160F-001-A176	5,70 $^{+0,10}$						
–	4	VG95234S4	GCB4F	GCB4F-A176	7,10 $^{+0,15}$	9,55 $^{-0,10}$	11,2 $^{-0,20}$	9,55 $^{-0,20}$	8,6 $^{-0,20}$	5,80 $^{\pm0,05}$	40,1 $^{\pm0,20}$
500	–	VG95234S500	GCB500F	GCB500F-A176	10,70 $^{+0,15}$	14,35 $^{-0,10}$	15,15 $^{-0,20}$	13,55 $^{-0,20}$	13,2 $^{-0,20}$	9,15 $^{\pm0,05}$	41,6 $^{\pm0,20}$
		VG95234S500-001	GCB500F-001	GCB500F-001-A176	7,60 $^{+0,15}$						
		VG95234S500-002	GCB500F-002	GCB500F-002-A176	9,10 $^{+0,15}$						
–	0	VG95234S0	GCB0F	GCB0F-A176	11,50 $^{+0,15}$	5,8	15,15 $^{-0,20}$	13,55 $^{-0,15}$	15,15 $^{-0,20}$	11,50 $^{+0,15}$	14,35 $^{-0,10}$

Contact size		Part-Number			l_2	l_3 ±0,1	l_4 0 -0,2	l_5 min.	l_6 min.	l_7	l_8 ±0,2
Metrical	AWG	VG95234	silver plated	gold plated							
10	–	VG95234S10	GCB10F	GCB10F-A176	19,7 $^{\pm0,25}$	4,75	3,4	4,6	7,5	0,8 $^{\pm0,30}$	-
		VG95234S10-001	GCB10F-001	GCB10F-001-A176							
15S	–	VG95234S15S	GCB15SF	GCB15SF-A176	15,1 $^{\pm0,20}$	3,9	5,6	6,8	10	3,3 $^{\pm0,10}$	-
		VG95234S15S-001	GCB15SF-001	GCB15SF-001-A176							
		VG95234S15S-002	GCB15SF-002	GCB15SF-002-A176							
15	–	VG95234S15	GCB15F	GCB15F-A176	19,8 $^{\pm0,20}$	7,9	5,6	6,8	10	3,3 $^{\pm0,10}$	-
		VG95234S15-001	GCB15F-001	GCB15F-001-A176							
		VG95234S15-002	GCB15F-002	GCB15F-002-A176							
25	12	VG95234S25	GCB25F	GCB25F-A176	19,0 $^{\pm0,15}$	7,9	5,6	6,8	15	3,2 $^{\pm0,20}$	-
		VG95234S25-001	GCB25F-001	GCB25F-001-A176							
60	–	VG95234S60	GCB60F	GCB60F-A176	20,6 $^{\pm0,15}$	6,35	10,7	12	15	1,2 $^{\pm0,20}$	4
		VG95234S60-001	GCB60F-001	GCB60F-001-A176							
–	8	VG95234S8	GCB8F	GCB8F-A176	20,6 $^{\pm0,15}$	6,35	10,7	12	15	1,2 $^{\pm0,20}$	4
100		VG95234S100	GCB100F	GCB100F-A176	20,6 $^{\pm0,15}$	6,35	10,7	12	15	1,2 $^{\pm0,20}$	4
160	–	VG95234S160	GCB160F	GCB160F-A176	20,6 $^{\pm0,15}$	6,35	10,7	12	15	1,2 $^{\pm0,20}$	4
		VG95234S160-001	GCB160F-001	GCB160F-001-A176							
–	4	VG95234S4	GCB4F	GCB4F-A176	20,6 $^{\pm0,15}$	6,35	10,7	12	15	1,2 $^{\pm0,20}$	4
500	–	VG95234S500	GCB500F	GCB500F-A176	20,6 $^{\pm0,15}$	6,35	12	14	15	1,2 $^{\pm0,20}$	4
		VG95234S500-001	GCB500F-001	GCB500F-001-A176							
		VG95234S500-002	GCB500F-002	GCB500F-002-A176							
–	0	VG95234S0	GCB0F	GCB0F-A176	20,6 $^{\pm0,15}$	6,35	12	14	15	1,2 $^{\pm0,20}$	4

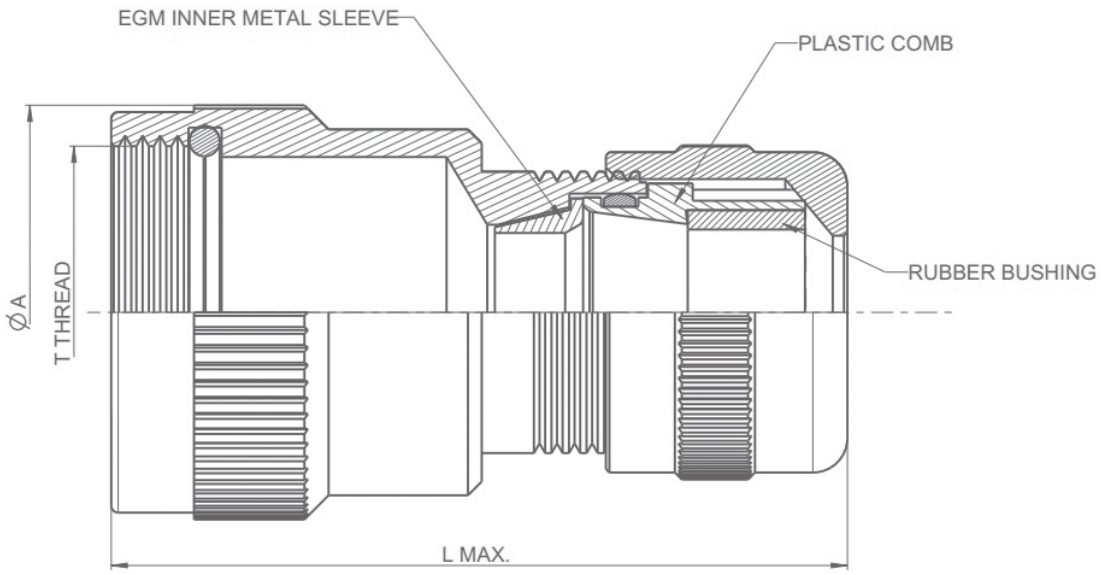
Contact size		Part-Number			Color code	Wire Size			
						mm²		AWG	
Metrical	AWG	VG95234 [1]	silver plated [2]	gold plated [2]		from	to	from	to
10	–	VG95234X10	GCB10X	GCB10X-A176	–	0,50	1,00	20	18
		VG95234X10-001	GCB10X-001	GCB10X-001-A176	Blue	0,14	0,38	26	22
15S	–	VG95234X15S	GCB15SX	GCB15SX-A176	–	0,75	1,50	18	16
		VG95234X15S-001	GCB15SX-001	GCB15SX-001-A176	Blue	0,14	0,38	26	22
		VG95234X15S-002	GCB15SX-002	GCB15SX-002-A176	Red	0,30	0,60	22	20
15	–	VG95234X15	GCB15X	GCB15X-A176	–	0,75	1,50	18	16
		VG95234X15-001	GCB15X-001	GCB15X-001-A176	Blue	0,14	0,38	26	22
		VG95234X15-002	GCB15X-002	GCB15X-002-A176	Red	0,3	0,60	22	20
25	12	VG95234X25	GCB25X	GCB25X-A176	–	2,00	3,00	14	12
		VG95234X25-001	GCB25X-001	GCB25X-001-A176	Black	0,75	1,50	18	16
25A	–	VG95234P25A	GCB25AM	GCB25AM-A176	–	2,00	3,00	14	12
60	–	VG95234X60	GCB60X	GCB60X-A176	Yellow	6,00		10	
		VG95234X60-001	GCB60X-001	GCB60X-001-A176	Green	2,00	3,00	14	12
–	8	VG95234X8	GCB8X	GCB8X-A176	–	–		8	
100	–	VG95234X100	GCB100X	GCB100X-A176	–	10,0		–	
160	–	VG95234X160	GCB160X	GCB160X-A176	–	16,0		–	
		VG95234X160-001	GCB160X-001	GCB160X-001-A176	Brown	–		6	
–	4	VG95234X4	GCB4X	GCB4X-A176	–	–		4	
500	–	VG95234X500	GCB500X	GCB500X-A176	–	50,0		–	
		VG95234X500-001	GCB500X-001	GCB500X-001-A176	White	25,0		4	
		VG95234X500-002	GCB500X-002	GCB500X-002-A176	Grey	35,0		2	
–	0	VG95234X0	GCB0X	GCB0X-A176	–	–		0	

[1] X – P or S
[2] X – M or F

VG95234 / GCB-B – Tools

Contact size		Part-Number			Pin contacts		Socket contacts	
Metrical	AWG	VG95234 [1]	Amphenol silver plate [2]	Amphenol gold plate [2]	Crimp tool	Crimp insert	Crimp tool	Crimp insert
10	–	VG95234X10	GCB10X	GCB10X-A176	M22520/1-01	VG95236T25A0002	M22520/1-01	VG95236T25A0002
		VG95234X10-001	GCB10X-001	GCB10X-001-A176				
15S	–	VG95234X15S	GCB15SX	GCB15SX-A176	M22520/1-01	VG95236T25A0001	M22520/1-01	VG95236T25A0002
		VG95234X15S-001	GCB15SX-001	GCB15SX-001-A176				
		VG95234X15S-002	GCB15SX-002	GCB15SX-002-A176				
15	–	VG95234X15	GCB15X	GCB15X-A176	M22520/1-01	VG95236T25A0001	M22520/1-01	VG95236T25A0002
		VG95234X15-001	GCB15X-001	GCB15X-001-A176				
		VG95234X15-002	GCB15X-002	GCB15X-002-A176				
25	12	VG95234X25	GCB25X	GCB25X-A176	M22520/1-01	VG95236T25A0001	M22520/1-01	VG95236T25A0002
		VG95234X25-001	GCB25X-001	GCB25X-001-A176				
25A	–	VG95234P25A	GCB25AM	GCB25AM-A176	M22520/1-01	VG95236T25A0001	-	-
60	–	VG95234X60	GCB60X	GCB60X-A176	VG95236T11A0001	VG95236T11AB007	VG95236T11A0001	VG95236T11AB007
		VG95234X60-001	GCB60X-001	GCB60X-001-A176				
–	8	VG95234X8	GCB8X	GCB8X-A176				
100	–	VG95234X100	GCB100X	GCB100X-A176				
160	–	VG95234X160	GCB160X	GCB160X-A176		VG95236T11AB008		VG95236T11AB008
		VG95234X160-001	GCB160X-001	GCB160X-001-A176				
–	4	VG95234X4	GCB4X	GCB4X-A176				
500	–	VG95234X500	GCB500X	GCB500X-A176		VG95236T11AB009		VG95236T11AB009
		VG95234X500-001	GCB500X-001	GCB500X-001-A176				
		VG95234X500-002	GCB500X-002	GCB500X-002-A176				
–	0	VG95234X0	GCB0X	GCB0X-A176				

[1] X – P or S
[2] X – M or F



Shell size	For straight connector					For 90° R/A connector				
	T Thread	EGM / PHM 11		EGM / PHM 21		T Thread	EGM / PHM 11		EGM / PHM 21	
		'A' Max.	'L' Max.	'A' Max.	'L' Max.		'A' Max.	'L' Max.	'A' Max.	'L' Max.
10SL	5/8"- 24 NEF	20.00	39.00			5/8"- 24 NEF	20.00	39.00		
12S	5/8"- 24 NEF	20.00	39.00			5/8"- 24 NEF	20.00	39.00		
14S	3/4"- 20 UNEF	22.70	39.00			3/4"- 20 UNEF	22.70	39.00		
16S/16	7/8"- 20 UNEF	25.40	44.00			7/8"- 20 UNEF	25.40	44.00		
18	1"- 20 NEF	30.20	54.50	30.20	41.80	1"- 20 NEF	30.20	54.50	30.20	41.80
20	ON REQUEST									
22	ON REQUEST									
24	ON REQUEST									
28	ON REQUEST									
32	ON REQUEST									
36	ON REQUEST									

Note:
Rubber Bush supplied in Packing
In case of PHM inner metal ferrule is not required/supplied

EGM/PHM11 can accept cable Min. 5.70 mm & Max. 10.85 mm
EGM/PHM21 can accept cable Min. 12.70 mm & Max. 17.85 mm

Amphenol

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