Cannon

CA Bayonet Connectors

In Accordance with VG95234

IP69K Compliant

ITT

ENGINEERED FOR LIFE

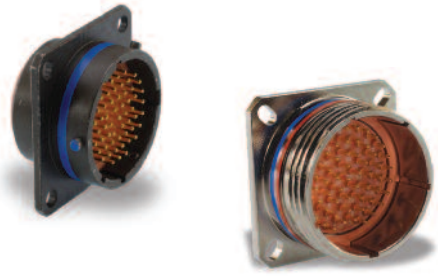
Interconnect Technologies & Solutions

For over 90 years, ITT has been developing innovative solutions for harsh environment applications. We have a proven track record of demonstrating our expertise and commitment to the industrial industry, offering the broadest portfolio of interconnect products.

Our interconnect range include sealed circulars, plastic and metal shell bayonet coupling circulars, miniature metal shell circulars, PC Board header connectors and sensor and direct device connectors. ITT is also a systems supplier, providing value-added module and harness assemblies.

In addition to our CA Bayonet series, we also offer these connectivity solutions:

Environmentally Sealed & Harsh Environments



Cannon MIL-DTL-38999

High density contact arrangements, corrosion-resistant shells, rear release crimp snap-in contacts, operates under severe high temperature vibration testing.

Cannon KPT / KPSE

Environmentally sealed miniature circular connectors available in two versions: KPT (solder contact) and KPSE (high performance crimp contact). Intermateable and intermountable with all MIL-C-26482 connectors and is available with many materials, finishes and configurations.

Cannon Trident

Versatile range of electrical connectors based on a standard contact design. Options include; industrial grade, harsh environment and shielded circulars.

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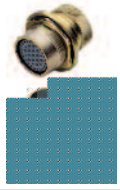
	Connector Series Selection Table	Sure Seal	CLC	SLC	SLE	APD	Trident Rectangular	Trident Circular	MS E/F/R
General	Industrial/Commercial	O	O	O	O	O	O	O	O
	Military	-	-	-	-	-	-	-	O
	Standards/Associated Specifications	-	SAE J2030 USCar	SAE J2030 USCar	SAE J2030 USCar	ISO 15170	UL 1977 NFF 61-030 (TFR)	UL 1977 EN 61984	MIL-DTL-5015 VG 95342
	Number of Circuits	2 to 10	2 & 4	5, 8, 10 & 15	19 & 28	1 to 51	2 to 36	4 to 48	1 to 65
Electrical	Max. Operating Voltage	48 V DC	300 V AC	300 V AC	300 V AC	48 V DC High Voltage: 500 V DC/AC	250 V AC	250 V AC High Voltage: 500 V DC/AC	50 V DC
	Dielectric Withstanding Voltage (at sea level)	1200 V AC	1000 V AC	1000 V AC	1000 V AC	1000 V AC High Voltage: 3500 V AC	2000 V AC	2000 V AC High Voltage: 3500 V AC	3000 V AC
	Max. Current Rating @ 40°C	17 A	5 A	13 A	13 A	245 A	13 A	30 A	245 A
	EMI/RFI Shielding	-	-	-	-	-	-	O	O
Mechanical	Wire Gauge Range AWG	20 to 14	20 to 16	20 to 16	20 to 16	22 to 0	26 to 14	26 to 12	26 to 0
	Wire Gauge Range mm²	0,4 - 1,5 mm²	0,50 - 1,0 mm²	0,50 - 1,0 mm²	0,50 - 1,0 mm²	0,35 - 50 mm²	0,14 - 2,5 mm²	0,14 - 4,0 mm²	0,14 - 50 mm²
	Power & Signal Layouts	-	-	-	-	-	-	O	O
	Mating Cycles (max.)	100	25	25	25	50	500	500	100
	Type of Coupling	Ring Snap	Clip Lock	Snap Lock	Snap Lock	Bayonet	Snap Lock	Bayonet	Thread
	Mechanical Coding	-	-	-	O	O	O	O	-
Environmental	Environmental Sealing (mated condition)	IP 68 (1 bar / 12h)	IP 68	IP 68	IP 68	IP67 IP69k	IP 20	IP 67	IP 65
	Operating Temperature	-40°C to 105°C -40°F to 221°F	-40°C to 150°C -40°F to 302°F	-40°C to 150°C -40°F to 302°F	-40°C to 125°C -40°F to 257°F	-40°C to 125°C -40°F to 257°F	-55°C to 105°C -67°F to 221°F	-55°C to 125°C -67°F to 257°F	-55°C to 125°C -67°F to 257°F
	Shock Test (g's)	50	100	100	100	-	50	50	50
	Max. Vibration Resistance	10 - 55 Hz 1,5 mm	100 m/s² 10 g´s	100 m/s² 10 g´s	100 m/s² 10 g´s	300 m/s² 30 g's	100 m/s² 10 g´s	100 m/s² 10 g´s	100 m/s² 10 g´s
	Individual Wire Sealing	O	O	O	O	O	-	O	O
	Cable Jacket Sealing	O	-	-	-	O	-	O	O
	Shell Material	Nitril-Butadien Elastomer	Thermoplastic	Thermoplastic	Thermoplastic	Polyamide Plastic	Polyamide Plastic	Black Nylon or Zinc Alloy	Aluminum Alloy
Shell Plating	RoHS Nickel (48h salt spray)	-	-	-	-	-	-	O	O
	Cadmium (olive, 500h)	-	-	-	-	-	-	-	O
	RoHS Zinc Cobalt (black, 200h)	-	-	-	-	-	-	-	O
	Zinc Cobalt (green, 200h)	-	-	-	-	-	-	-	-
	RoHS Zinc Nickel (blue, 500h) BLUE GENERATION®	-	-	-	-	-	-	-	-
Contacts	Contact Plating	Tin or Silver	Tin or Gold	Tin or Gold	Tin or Gold	Tin, Silver or Gold	Tin or Gold	Tin or Gold	Silver or Gold
	Crimp, machined	O	O	O	O	O	O	O	-
	Crimp, stamped	O	O	O	O	O	O	O	-
	Solder	-	-	-	-	O	O	O	O
	Printed Circuit Solder	-	O	O	O	O	O	O	O
	Co-Ax	-	-	-	-	-	O	O	-
	Fiber Optic	-	-	-	-	-	-	-	-
	First-Mate Last-Break	-	-	-	-	-	O	O	O

O Available - Not available

CA Bayonet	CA-INDUSTRIAL	CA Triple Thread	CGL	KPT / KPSE	KPTC	PV	KJL	KJ	KJA
									
○	○	○	○	○	○	-	○	○	○
○	-	-	-	○	○	○	○	○	○
VG 95234	-	ISO 16750 VG 95234	DIN/VDE 0627 5.4.3 IEC 512-25-1 DIN/VDE 0100 Part 410	MIL-DTL-26482 Series 1, VG 95328	MIL-DTL-26482 Series 1, VG 95328	MIL-DTL 26482 Series 2	MIL-DTL-38999 Series I	MIL-DTL-38999 Series II	MIL-DTL-38999 Series III
1 to 85	2 to 55	1 to 85	3 to 11	2 to 61	2 to 61	3 to 61	3 to 128	3 to 128	3 to 128
50 V DC	50 V DC	50 V DC	700 V DC	50 V DC	50 V DC	500 V AC	1250 V AC	1250 V AC	1250 V AC
3000 V AC	2000 V AC	3000 V AC	7200 V AC	2300 V AC	2300 V AC	2300 V AC	2300 V AC	2300 V AC	2300 V AC
245 A	30 A	245 A	100 A	22 A	22 A	23 A	23 A	23 A	23 A
○	○	○	○	○	○	○	○	○	○
26 to 0	26 to 12	26 to 0	15 to 3	24 to 16	24 to 16	24 to 12	28 to 12	28 to 12	28 to 12
0,14 - 50 mm†	0,14 - 4,0 mm†	0,14 - 50 mm†	1,5 - 25 mm†	0,21 - 1,91 mm†	0,4 - 2,0 mm†	0,4 - 5,0 mm†	0,45 - 5,0 mm†	0,45 - 5,0 mm†	0,45 - 5,0 mm†
○	○	○	○	-	-	○	○	○	○
500	200	500	500	500	500	500	500	500	500
Reverse Bayonet	Reverse Bayonet	Triple Thread	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Triple Thread
○	○	○	○	○	○	-	-	-	-
IP68 (1 bar / 16h) IP69k	IP68 (1 bar / 16h) IP69k	IP68 (1 bar / 16h) IP69k	IP 67	IP 68 (0,2 bar / 48h)	IP 68 (0,2 bar / 48h)	Environmental resitant acc. to EIA-364-02	Environmental resitant acc. to EIA-364-02	Environmental resitant acc. to EIA-364-02	Environmental resitant acc. to EIA-364-02
-55°C to 125°C -67°F to 257°F	-55°C to 125°C -67°F to 257°F	-55°C to 125°C -67°F to 257°F	-50°C to 140° C -58°F to 284°F	-55°C to 125°C -67°F to 257°F	-55°C to 125°C -67°F to 257°F	-55°C to 200°C -67°F to 392°F	-65°C to 200°C -85°F to 392°F	-65°C to 200°C -85°F to 392°F	-65°C to 200°C -85°F to 392°F
50	50	50	50	50	50	10	300	300	300
200 m/s† 20 g·s	100 m/s† 10 g·s	300 m/s† 30 g s	300 m/s† 30 g s	200 m/s† 20 g·s	200 m/s† 20 g·s	200 m/s† 20 g·s	300 m/s† 30 g s	10Hz - 500Hz Random: 43,7g	600m/s† 60g
○	-	-	-	○	○	○	○	○	○
○	○	○	○	○	○	○	○	○	○
Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
○	○	○	○	○	○	○	○	○	○
○	-	○	-	○	○	○	○	○	○
○	-	○	-	○	○	-	-	-	○
○	-	○	-	○	○	-	-	-	-
○	○	○	○	○	○	-	-	-	-
Silver or Gold	Tin or Gold	Silver or Gold	Silver or Gold	Gold	Gold	Gold	Gold	Gold	Gold
○	-	○	○	○ (KPSE)	○	○	○	○	○
-	○	-	-	-	-	-	-	-	-
○	-	○	○	○ (KPT)	○	-	-	-	○
○	-	○	-	○	○	○	○	○	○
-	-	-	-	○	-	○	○	○	○
-	-	-	-	-	-	○	○	○	○
○	-	○	-	○	○	-	-	-	-

Dimensions shown in mm

Specifications and dimensions subject to change

Wall Mounting Receptacle

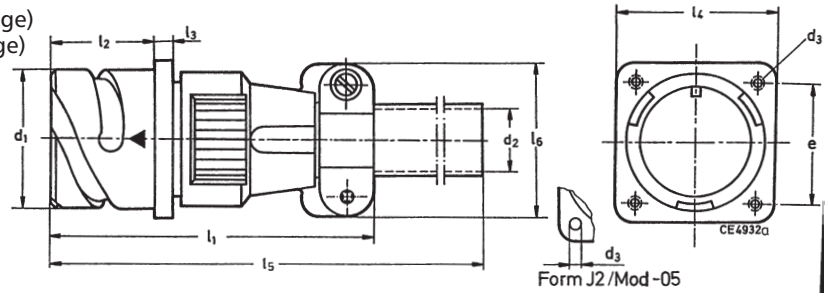
for rear mounting

VG95234 Style J_1 (with threaded holes in flange)
VG95234 Style J_2 (with through holes in flange)

CA3100E-B and Modifications e g -05
(with through holes)

CA3100E-B designates a wall mounting receptacle with cable clamp and telescoping bushing

CA3100E-B and Modifications e g -01, -F80
(for ordered contacts)



VG95234 Part no.	Cannon Part no.	d_1 -0,15	d_2[1]	d_3 J1	d_3 J2	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_5 max.
VG95234*XX-10SL-*	CA3100E10SL-**-B-***	18,2	6,5	M4	3,2	57	18,2	2,8	25,4	120
–	CA3100E12S-**-B-***	21,4	6,5	M4	3,2	57	18,2	3,2	28,0	120
VG95234*XX-14S-*	CA3100E14S-**-B-***	24,6	9,0	M4	3,2	59	18,2	3,2	30,0	120
VG95234*XX-16S-*	CA3100E16S-**-B-***	27,4	11,0	M4	3,2	60	18,2	3,2	32,5	120
VG95234*XX-16-*	CA3100E16-**-B-***	27,4	11,0	M4	3,2	68	23,05	3,2	32,5	125
VG95234*XX-18-*	CA3100E18-**-B-***	30,8	14,2	M4	3,2	72	23,05	4,0	35,0	125
VG95234*XX-20-*	CA3100E20-**-B-***	34,2	15,8	M4	3,2	72	23,05	4,0	38,0	125
VG95234*XX-22-*	CA3100E22-**-B-***	37,4	15,8	M4	3,2	72	23,05	4,0	41,0	125
VG95234*XX-24-*	CA3100E24-**-B-***	40,9	21,4	M4	3,7	78	23,05	4,0	44,5	125
VG95234*XX-28-*	CA3100E28-**-B-***	46,7	21,4	M5	3,7	79	24,05	4,0	50,8	125
VG95234*XX-32-*	CA3100E32-**-B-***	53,4	26,7	M5	4,3	78	24,05	4,0	57,0	125
VG95234*XX-36-*	CA3100E36-**-B-***	59,6	31,7	M5	4,3	78	24,05	4,0	63,5	135

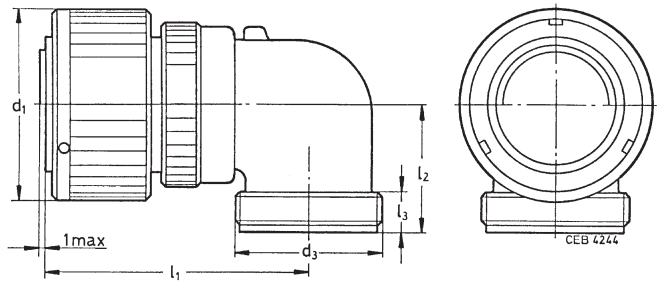
[1] For max. cable entry.

Plug 90°, Shielded

VG95234 Style K

CA3108F-B-13, -14 or **-15** designates a shielded plug with 90° endbell for flex tube, grounding spring on the barrel. No rear accessories to mount cable braid to the endbell.

CA3108F and Modifications, see page 12



VG96234 Part no.	Cannon Part no.	d_3-Thread	d_1 max.	l_1 max.	l_2 max.	l_3 min.	Weight[1] g max.
–	CA3108F10SL-**-B-***	5/8-24UNEF-2A	22,8	45	22	9,4	27
VG95234K-12S-*	CA3108F12S-**-B-***	5/8-24UNEF-2A	26,0	45	22	9,4	35
VG95234K-14S-*	CA3108F14S-**-B-***	3/4-20UNEF-2A	29,2	47	24	9,4	43
VG95234K-16S-*	CA3108F16S-**-B-***	7/8-20UNEF-2A	32,0	48	25	9,4	48
VG95234K-16-*	CA3108F16-**-B-***	7/8-20UNEF-2A	32,0	57	25	9,4	58
VG95234K-18-*	CA3108F18-**-B-***	1-20UNEF-2A	36,5	58	27	9,4	58
VG95234K-20-*	CA3108F20-**-B-***	1 3/16-18UNEF-2A	39,9	61	29	9,4	74
VG95234K-22-*	CA3108F22-**-B-***	1 3/16-18UNEF-2A	43,1	61	30	9,4	78
VG95234K-24-*	CA3108F24-**-B-***	1 7/16-18UNEF-2A	46,6	66	32	9,4	104
VG95234K-28-*	CA3108F28-**-B-***	1 7/16-18UNEF-2A	53,4	66	34	9,4	126
CG95234K-32-*	CA3108F32-**-B-***	1 3/4-18UNS-2A	60,1	72	39,5	11,0	160
VG95234K-36-*	CA3108F36-**-B-***	2-18UNS-2A	66,3	75	45	12,6	190

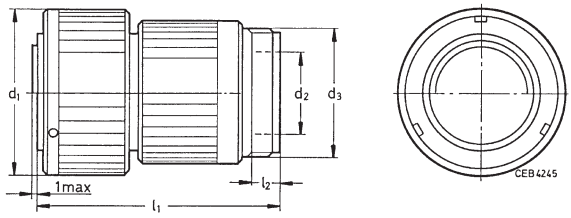
[1] Weight without insulator, grommets and contacts.

Straight Plug, shielded

VG95234 Style L

CA3106F-B-13, -14 or -15 designates a straight plug with endbell for flex tube, grounding spring on the barrel.

CA3106F-B and Modifications, see page 12



VG95234 Part no.	Cannon Part no.	d_3-Thread	d_1	d_2[2] max.	l_1	l_2 min.	Weight[1] g max.
VG95234L-10SL-*	CA3106F10SL-**-B-***	5/8-24UNEF-2A	22,8	8,2	50	9,5	21
VG95234L-12S-*	CA3106F12S-**-B-***	5/8-24UNEF-2A	26,0	8,2	50	9,5	29
VG95234L-14S-*	CA3106F14S-**-B-***	3/4-20UNEF-2A	29,2	11,1	50	9,5	33
VG95234L-16S-*	CA3106F16S-**-B-***	7/8-20UNEF-2A	32,0	14,3	50	9,5	42
VG95234L-16-*	CA3106F-16-**-B-***	7/8-20UNEF-2A	32,0	14,3	60	9,5	51
VG95234L-18-*	CA3106F-18-**-B-***	1-20UNEF-2A	36,5	16,7	60	9,5	59
VG95234L-20-*	CA3106F-20-**-B-***	1 3/16-18UNEF-2A	39,9	19,8	60	9,5	58
VG95234L-22-*	CA3106F-22-**-B-***	1 3/16-18UNEF-2A	43,1	19,8	60	9,5	62
VG95234L-24-*	CA3106F-24-**-B-***	1 7/16-18UNEF-2A	46,6	25,4	65	9,5	84
VG95234L-28-*	CA3106F-28-**-B-***	1 7/16-18UNEF-2A	53,4	27,0	65	9,5	100
VG95234L-32-*	CA3106F-32-**-B-***	1 3/4-18UNS-2A	60,1	32,5	65	11,0	116
VG95234L-36-*	CA3106F-36-**-B-***	2-18UNS-2A	66,3	35,7	80	11,8	142

[1] Weight without insulator, grommets and contacts.

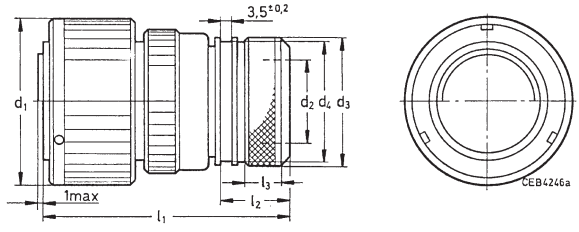
[2] For max. cable entry.

Straight Plug, shielded

VG95234 Style M

CA3106E-B-13, -14 or -15 designates a straight, shielded plug with endbell for shielded braids, and heat shrinkable boots, grounding spring on the barrel.

CA3106E-B and Modifications, see page 12



VG95234 Part no.	Cannon Part no.	d_1 max.	d_2[2] min.	d_3 ±0,5	d_4 max.	l_1 max.	l_2 +1	l_3 ±0,5	Weight[1] g max.
VG95234M-10SL-*	CA3106E10SL-**-B-***	22,8	7,7	18,5	16,3	55,0	17,0	7,0	40
–	CA3106E12S-**-B-***	26,0	9,3	20,0	17,0	55,0	17,0	7,0	42
VG95234M-14S-*	CA3106E14S-**-B-***	29,2	10,6	22,0	20,0	55,0	17,0	7,0	45
VG95234M-16S-*	CA3106E16S-**-B-***	32,0	13,5	25,0	23,0	60,0	18,0	8,0	55
VG95234M-16-*	CA3106E16-**-B-***	32,0	13,5	25,0	23,0	70,0	18,0	8,0	65
VG95234M-18-*	CA3106E18-**-B-***	36,5	14,6	28,0	24,5	70,0	18,0	8,0	75
VG95234M-20-*	CA3106E20-**-B-***	39,9	18,5	32,0	28,5	70,0	18,0	10,0	85
VG95234M-22-*	CA3106E22-**-B-***	43,1	20,8	34,0	30,5	70,0	18,0	10,0	100
VG95234M-24-*	CA3106E24-**-B-***	46,6	24,6	38,0	34,5	70,0	18,0	10,0	115
VG95234M-28-*	CA3106E28-**-B-***	53,4	27,0	41,0	37,5	70,0	18,0	10,0	130
VG95234M-32-*	CA3106E32-**-B-***	60,1	33,3	48,0	44,0	70,0	18,0	10,0	170
VG95234M-36-*	CA3106E36-**-B-***	66,3	38,5	55,0	51,0	80,0	18,0	10,0	190

[1] Weight without insulator, grommets and contacts.

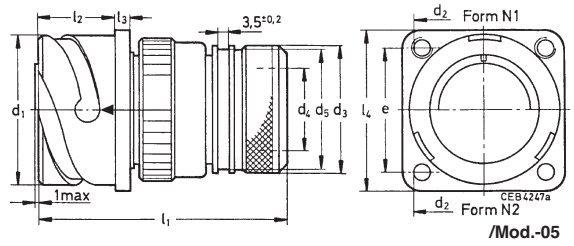
[2] For max. cable entry.

Wall Mounting Receptacle

VG95234 Style N1 (with threaded holes in flange)
VG95234 Style N2 (with through holes in flange)

CA3100E-B , -13, -14 or **-15, -05-13, -05-14** or **-05-15** designates a shielded receptacle with endbell for shielding braids, and also for heat shrinkable boots

CA3100E-B and Modifications, see page 12



VG95234 Part no.	Cannon Part no.	d_1 -0,15	d_2 Thread H13 N1	d_2 Thread H13 N2	d_3 ±0,5	d_4[2] min.	d_5 max.	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 +0,3	Weight[1] g max.
VG95234*XX-10SL-*	CA3100E10SL-**-B-***	18,2	M4	3,2	18,5	7,7	16,3	18,2	55	18,2	2,8	25,4	45
VG95234*XX-14S-*	CA3100E14S-**-B-***	24,6	M4	3,2	22,0	10,6	20,0	23,0	58	18,2	3,2	30,0	55
VG95234*XX-16S-*	CA3100E16S-**-B-***	27,4	M4	3,2	25,0	13,5	23,0	24,6	70	18,2	3,2	32,5	65
VG95234*XX-16-*	CA3100E16-**-B-***	27,4	M4	3,2	25,0	13,5	23,0	24,6	70	23,05	3,2	32,5	75
VG95234*XX-18-*	CA3100E18-**-B-***	30,8	M4	3,2	28,0	14,6	24,5	27,0	70	23,05	4,0	35,0	85
VG95234*XX-20-*	CA3100E20-**-B-***	34,2	M4	3,2	32,0	18,5	28,5	29,4	70	23,05	4,0	38,4	95
VG95234*XX-22-*	CA3100E22-**-B-***	37,4	M4	3,2	34,0	20,8	30,5	31,8	70	23,05	4,0	41,0	105
VG95234*XX-24-*	CA3100E24-**-B-***	40,9	M4	3,7	38,0	24,6	34,5	34,9	70	23,05	4,0	44,5	120
VG95234*XX-28-*	CA3100E28-**-B-***	46,7	M5	3,7	41,0	27,0	37,5	39,7	70	24,05	4,0	50,8	150
VG95234*XX-32-*	CA3100E32-**-B-***	53,4	M5	4,3	48,0	33,3	44,0	44,5	75	24,05	4,0	57,0	190
VG95234*XX-36-*	CA3100E36-**-B-***	59,6	M5	4,3	55,0	38,5	51,0	49,2	85	24,05	4,0	63,5	220

[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

Straight Plug

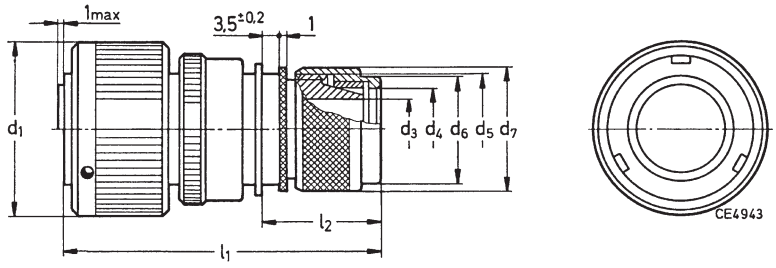
VG95234 Style R1 (designated as shielded plug)

CA3106E-B, -32-DXX designates a straight plug, shielded, with endbell for system cable.

Grounding spring on the barrel.

(DXX means cable entry diameter)

CA3106E-B and Modification, see page 12



VG95234 Part no.	Cannon Part no.	d_1	d_3	d_4	d_5	d_6	d_7	l_1	l_2	Weight[1] g max.
VG95234R1-14S	CA3106E14S-**-B-32	29,2	10,0	14,0	M 20x1	21,0	23,5	57	21,0	50
VG95234R1-16S	CA3106E16S-**-B-32	32,0	10,0	14,0	M 20x1	21,0	23,5	57	21,0	60
–	CA3106E16S-**-B-32-D12	32,0	12,2	16,0	M 22x1	23,0	25,5	57	21,0	60
VG95234R1-18	CA3106E18-**-B-32	36,5	12,2	16,0	M 22x1	23,0	25,5	66	21,0	80
VG95234R1-20	CA3106E20-**-B-32	39,9	13,4	18,0	M 27x1	26,6	30,5	68	21,0	90
–	CA3106E20-**-B-32-D19	39,9	19,6	22,6	M 27x1	31,5	35,5	68	21,0	90
VG95234R1-28	CA3106E28-**-B-32	53,4	19,0	26,0	M 35x1	37,6	41,5	76	26,0	135
–	CA3106E28-**-B-32-D22	53,4	23,0	26,5	M 35x1	37,6	41,5	76	26,0	135
VG95234R1-32	CA3106E32-**-B-32	60,1	21,0	26,5	M 35x1	37,5	41,5	79	26,0	175
–	CA3106E32-**-B-32-D22	60,3	23,0	26,5	M 35x1	37,5	41,5	82	26,0	200
–	CA3106E36-**-B-32-D22	66,3	23,0	26,5	M 42x1	37,5	41,5	82	26,0	200
–	CA3106E36-**-B-32-D26	66,3	27,0	33,0	M 42x1	45,0	49,7	82	26,0	200

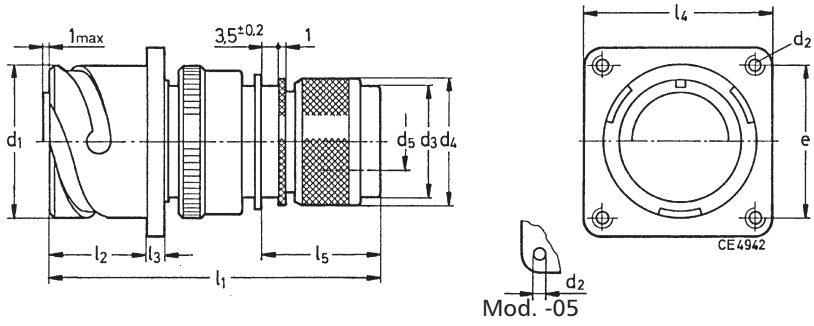
[1] Weight without insulator, grommets and contacts.

Wall Mounting Receptacle

VG95234 Style S1 (with thread holes in flange)

CA3100E-B, -32, -32-05 designates a wall mounting receptacle, shielded, with endbell for system cable acc. MTV 6145-005.

CA3100E-B and Modification, see page 12



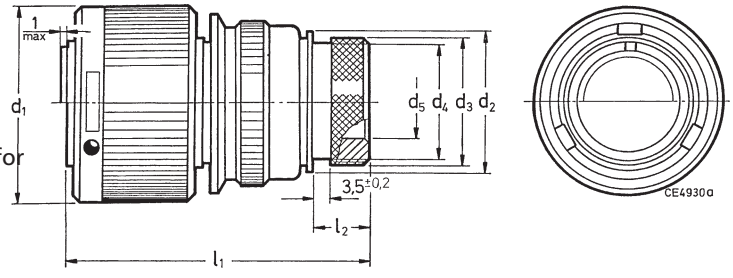
VG95234 Part no.	Cannon Part no.	d_1 −0,15	d_2 Thread	d_2 H13	d_3	d_4 ±0,3	d_5	e ±0,1	l_1 max.	l_2 ±0,4	l_3 ±0,2	l_4 ±0,3	l_5 max.
VG95234S1-14S	CA3100E14S-**-B-***	24,6	M4	3,2	21,0	23,5	10,0	23,0	61	18,2	3,2	30,0	21,0
VG95234S1-16S	CA3100E16S-**-B-***	27,4	M4	3,2	21,0	23,5	10,0	24,6	61	18,2	3,2	32,5	21,0
VG95234S1-18	CA3100E18-**-B-***	30,8	M4	3,2	23,0	25,5	12,2	27,0	70	23,05	4,0	35,0	21,0
VG95234S1-20	CA3100E20-**-B-***	34,2	M4	3,2	26,6	30,5	13,4	29,4	72	23,05	4,0	38,0	21,0
VG95234S1-28	CA3100E28-**-B-***	46,7	M5	3,7	37,5	41,5	19,0	39,7	78	24,05	4,0	50,8	26,0
VG95234S1-32	CA3100E32-**-B-***	53,4	M5	4,3	37,5	41,5	21,0	44,5	81	24,05	4,0	57,0	26,0

Straight Plug, Shielded with Adapter for Heat Shrink Boots

VG95234 Style T

CA3106E-B, 02-41, 03-41, 06-41 designates a straight plug, shielded ground spring on the barrel with endbell for heat shrink boot.

CA3106E-B and Modification, see page 12



VG95234 Part no.	Cannon Part no.	d_1 max.	d_2 ±0,2	d_3 ±0,2	d_4 max.	d_5 min.	l_1 max.	l_2 ±0,5	Weight[1] g max.
VG95234T-10SL-*	CA3106E10SL-**B-***	22,8	17,0	15,5	13,3	7,7	50	11,7	24
–	CA3106E12S-**B-***	26,0	17,8	15,5	13,3	7,9	50	11,7	35
VG95234T-14S-*	CA3106E14S-**B-***	29,2	20,1	19,1	17,0	10,6	50	11,7	41
VG95234T-16S-*	CA3106E16S-**B-***	32,0	23,5	23,9	21,9	13,5	50	11,7	51
VG95234T-16-*	CA3106E16-**B-***	32,0	23,5	23,9	21,9	13,5	60	11,7	58
VG95234T-18-*	CA3106E18-**B-***	36,5	26,5	23,9	21,9	14,6	60	11,7	65
VG95234T-20-*	CA3106E20-**B-***	39,9	30,2	29,6	26,2	18,7	65	12,7	75
VG95234T-22-*	CA3106E22-**B-***	43,1	33,6	29,6	26,2	20,8	65	12,7	80
VG95234T-24-*	CA3106E24-**B-***	46,6	38,1	37,8	34,5	24,6	65	12,7	95
VG95234T-28-*	CA3106E28-**B-***	53,4	41,4	37,8	34,5	27,0	65	12,7	120
VG95234T-32-*	CA3106E32-**B-***	60,1	48,6	47,8	43,6	33,3	70	15,2	165
VG95234T-36-*	CA3106E36-**B-***	66,3	54,8	47,8	43,6	38,5	80	15,2	180

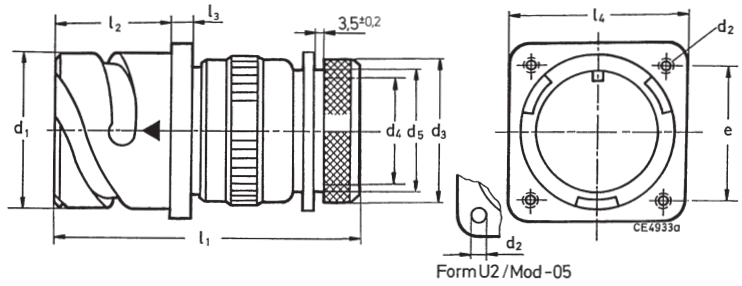
[1] Weight without insulator, grommets and contacts.

Wall Mounting Receptacle

VG95234 Style U1 (with threaded holes in flange)
VG95234 Style U2 (with through holes in flange)

CA3100E-B-02-05, -03-05 or **-06-05, -02-03** or **-06** designates a wall mounting receptacle with adapter for heat shrinkable boots

CA3100E-B and Modifications, see page 12



VG95234 Part no.	Cannon Part no.	d_1 -0,15	d_2 Thread	d_2 H13	d_3 ±0,2	d_4	d_5 max.	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	Weight[1] g max.
VG95234U1-10SL-*	CA3100E10SL-**-B-***	18,2	M4	3,2	15,5	7,7	13,3	18,2	57	18,2	2,8	25,4	35
–	CA3100E12S-**-B-***	21,4	M4	3,2	15,5	7,9	13,3	20,6	57	18,2	3,2	28,0	45
VG95234U1-14S-*	CA3100E14S-**-B-***	24,6	M4	3,2	19,1	10,6	17,0	23,0	57	18,2	3,2	30,0	50
VG95234U1-16S-*	CA3100E16S-**-B-***	27,4	M4	3,2	23,9	13,5	21,9	24,6	57	18,2	3,2	32,5	60
VG95234U1-16-*	CA3100E16-**-B-***	27,4	M4	3,2	23,9	13,5	21,9	24,6	63	23,05	3,2	32,5	65
VG95234U1-18-*	CA3100E18-**-B-***	30,8	M4	3,2	23,9	14,6	21,9	27,0	65	23,05	4,0	35,0	80
VG95234U1-20-*	CA3100E20-**-B-***	34,2	M4	3,2	29,6	18,7	26,2	29,4	68	23,05	4,0	38,0	95
VG95234U1-22-*	CA3100E22-**-B-***	37,4	M4	3,2	29,6	20,8	26,2	31,8	68	23,05	4,0	41,0	105
VG95234U1-24-*	CA3100E24-**-B-***	40,9	M4	3,7	37,8	24,6	34,5	34,9	70	23,05	4,0	44,5	140
VG95234U1-28-*	CA3100E28-**-B-***	46,7	M5	3,7	37,8	27,0	34,5	39,7	71	24,05	4,0	50,8	160
VG95234U1-32-*	CA3100E32-**-B-***	53,4	M5	4,3	47,8	33,3	43,6	44,5	74	24,05	4,0	57,0	205
VG95234U1-36-*	CA3100E36-**-B-***	59,6	M5	4,3	47,8	38,5	43,6	49,2	74	24,05	4,0	63,5	270

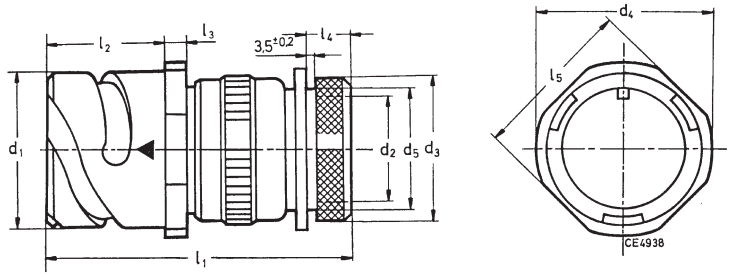
[1] Weight without insulator, grommets and contacts.

Straight Plug

VG95234 Style V

CA3101E-B, -02, -03 or **-06** designates a cable connection plug with adapter for heat shrinkable boots

CA3101E-B and Modifications, see page 12



VG95234 Part no.	Cannon Part no.	d_1 -0,15	d_2[2] min.	d_3 ±0,2	d_4 max.	d_5 max.	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,5	l_5	Weight[1] g max.
VG95234V-10SL-*	CA3101E10SL-**-B-***	18,2	7,7	15,5	25,2	13,3	57	18,2	2,8	11,7	20,6	35
	CA3101E12S-**-B-***	21,4	7,9	15,5	27,8	13,3	57	18,2	3,2	11,7	23,6	45
VG95234V-14S-*	CA3101E14S-**-B-***	24,6	10,6	19,1	29,8	17,0	57	18,2	3,2	11,7	25,4	50
VG95234V-16S-*	CA3101E16S-**-B-***	27,4	13,5	23,9	32,3	21,9	57	18,2	3,2	11,7	28,6	60
VG95234V-16-*	CA3101E16-**-B-***	27,4	13,5	23,9	32,3	21,9	63	23,05	3,2	11,5	28,6	65
VG95234V-18-*	CA3101E18-**-B-***	30,8	14,6	23,9	34,8	21,9	65	23,05	4,0	11,5	31,7	80
VG95234V-20-*	CA3101E20-**-B-***	34,2	18,7	29,6	37,8	26,2	68	23,05	4,0	12,7	34,9	95
VG95234V-22-*	CA3101E22-**-B-***	37,4	20,8	29,6	41,1	26,2	68	23,05	4,0	12,7	38,1	105
VG95234V-24-*	CA3101E24-**-B-***	40,9	24,6	37,8	44,6	34,5	70	23,05	4,0	12,7	41,3	140
VG95234V-28-*	CA3101E28-**-B-***	46,7	27,0	37,8	50,9	34,5	71	24,05	4,0	12,7	47,6	160
VG95234V-32-*	CA3101E32-**-B-***	53,4	33,3	47,8	57,1	43,6	74	24,05	4,0	15,2	54,0	205
VG95234V-36-*	CA3101E36-**-B-***	59,6	38,5	47,8	63,6	43,6	74	24,05	4,0	15,2	60,6	270

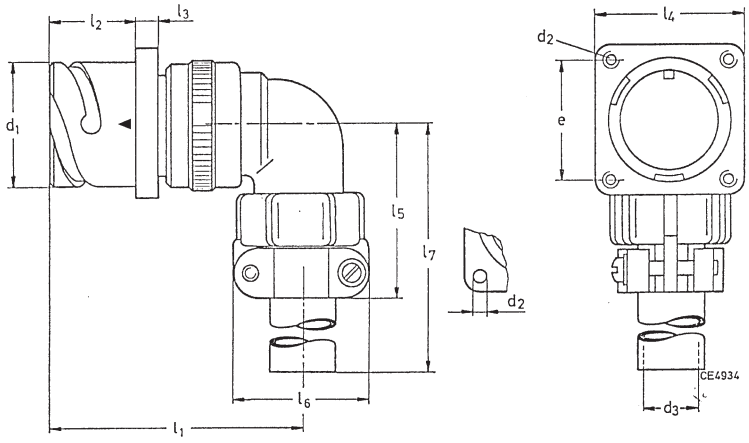
[1] Weight without insulator, grommets and contacts.
[2] For max. cable entry.

Wall Mounting Receptacle

CA3100E-B-08 (Flange with threated holes)
CA3100E-B-09 (Flange with through holes)

CA3100E-B-08, -09 designates a wall mounting receptacle, with 90° endbell, cable clamp and telescoping bushing.

Modification see page 12



Cannon Part no.	d_1 -0,15	d_2 Thread Mod. 08	d_2 H13 Mod. 09	d_3[2] max.	e ±0,4	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 max.	l_5 max.	l_6 max.	l_7 max.	Weight[1] g max.
CA3100E10SL-**-B-***	18,2	M4	3,2	6,5	18,2	50	18,2	2,8	25,4	42	22,7	100	50
CA3100E12S-**-B-***	21,4	M4	3,2	6,5	20,6	50	18,2	3,2	28,0	42	22,7	100	60
CA3100E14S-**-B-***	24,6	M4	3,2	9,0	23,0	52	18,2	3,2	30,0	42	27,5	100	70
CA3100E16S-**-B-***	27,4	M4	3,2	11,0	24,6	53	18,2	3,2	32,5	45	30,0	100	80
CA3100E16-**-B-***	27,4	M4	3,2	11,0	24,6	60	23,05	3,2	32,5	45	30,0	100	90
CA3100E18-**-B-***	30,8	M4	3,2	14,2	27,0	62	23,05	4,0	35,0	53	33,0	100	100
CA3100E20-**-B-***	34,2	M4	3,2	15,8	29,4	66	23,05	4,0	38,0	53	37,5	100	120
CA3100E22-**-B-***	37,4	M4	3,2	15,8	31,8	66	23,05	4,0	41,0	53	37,5	100	130
CA3100E24-**-B-***	40,9	M4	3,7	21,4	34,9	69	23,05	4,0	44,5	58	43,3	100	170
CA3100E28-**-B-***	46,7	M5	3,7	21,4	39,7	70	24,05	4,0	50,8	58	43,3	100	200
CA3100E32-**-B-***	53,4	M5	4,3	26,7	44,5	74	24,05	4,0	57,0	66	51,7	110	265
CA3100E36-**-B-***	59,6	M5	4,3	31,7	49,2	78	24,05	4,0	63,5	69	58,0	110	325

[1] Weight without insulator, grommets and contacts.

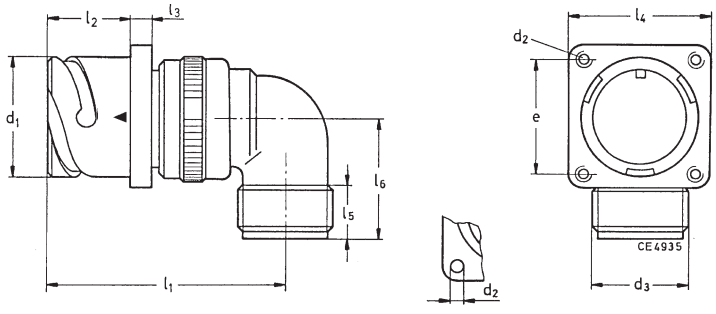
[2] For max. cable entry.

Wall Mounting Receptacle

CA3100F-B-08 (Flange with threated holes)
CA3100F-B-09 (Flange with through holes)

CA3100F-B, -08, -09 designates a wall mounting receptacle with 90° endbell and for protective hose

Modifications see page 12



Mod -09

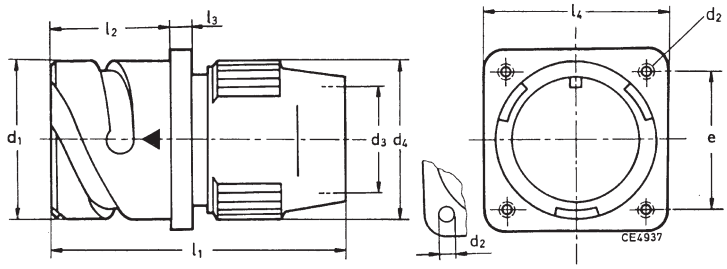
Cannon Part no.	d_1 -0,15	d_2 Thread	d_2 H13	d_3 Thread	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_5 min.	l_6 max.	Weight[1] g max.
CA3100F10SL-**-B-***	18,2	M4	3,2	5/8-24UNEF-2A	18,2	50	18,2	2,8	25,4	9,4	30	47
CA3100F12S-**-B-***	21,4	M4	3,2	5/8-24UNEF-2A	20,6	50	18,2	3,2	28,0	9,4	30	57
CA3100F14S-**-B-***	24,6	M4	3,2	3/4-20UNEF-2A	23,0	52	18,2	3,2	30,0	9,4	30	57
CA3100F16S-**-B-***	27,4	M4	3,2	7/8-20UNEF-2A	24,6	53	18,2	3,2	32,5	9,4	30	75
CA3100F16-**-B-***	27,4	M4	3,2	7/8-20UNEF-2A	24,6	60	23,05	3,2	32,5	9,4	30	85
CA3100F18-**-B-***	30,8	M4	3,2	1-20UNEF-2A	27,0	62	23,05	4,0	35,0	9,4	35	95
CA3100F20-**-B-***	34,2	M4	3,2	1 3/16-18UNEF-2A	29,4	66	23,05	4,0	38,0	9,4	35	115
CA3100F22-**-B-***	37,4	M4	3,2	1 3/16-18UNEF-2A	31,8	66	23,05	4,0	41,0	9,4	35	125
CA3100F24-**-B-***	40,9	M4	3,7	1 7/16-18UNEF-2A	34,9	69	23,05	4,0	44,5	9,4	40	160
CA3100F28-**-B-***	46,7	M5	3,7	1 7/16-18UNEF-2A	39,7	70	24,05	4,0	50,8	9,4	40	190
CA3100F32-**-B-***	53,4	M5	4,3	1 3/4-18UNS-2A	44,5	74	24,05	4,0	57,0	11,0	45	250
CA3100F36-**-B-***	59,6	M5	4,3	2-18UNS-2A	49,2	78	24,05	4,0	63,5	12,6	50	310

[1] Weight without insulator, grommets and contacts.

Wall Mounting Receptacles

CA3100R-B designates a wall mounting receptacle with short endbell without cable clamp.

CA3100R-B and Modifications, see page 12



Mod -05

Cannon Part no.	d_1 -0,15	d_2 Thread	d_2 H13	d_3[2] min.	d_4 max.	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	Weight[1] g max.
CA3100R10SL-**-B-***	18,2	M4	3,2	9,6	22,0	18,2	50	18,2	2,8	25,4	40
CA3100R12S-**-B-***	21,4	M4	3,2	10,3	23,0	20,6	52	18,2	3,2	28,0	50
CA3100R14S-**-B-***	24,6	M4	3,2	12,4	27,0	23,0	52	18,2	3,2	30,0	60
CA3100R16S-**-B-***	27,4	M4	3,2	15,4	28,0	24,6	58	18,2	3,2	32,5	70
CA3100R16-**-B-***	27,4	M4	3,2	15,4	28,0	24,6	58	23,05	3,2	32,5	75
CA3100R18-**-B-***	30,8	M4	3,2	18,4	31,0	27,0	65	23,05	4,0	35,0	90
CA3100R20-**-B-***	34,2	M4	3,2	22,0	35,0	29,4	65	23,05	4,0	38,0	110
CA3100R22-**-B-***	37,4	M4	3,2	24,7	38,0	31,8	65	23,05	4,0	41,0	125
CA3100R24-**-B-***	40,9	M4	3,7	27,6	42,0	34,9	67	23,05	4,0	44,5	160
CA3100R28-**-B-***	46,7	M5	3,7	31,6	49,0	39,7	67	24,05	4,0	50,8	190
CA3100R32-**-B-***	53,4	M5	4,3	38,5	55,0	44,5	67	24,05	4,0	57,0	230
CA3100R36-**-B-***	59,6	M5	4,3	44,5	62,0	49,2	67	24,05	4,0	63,5	300

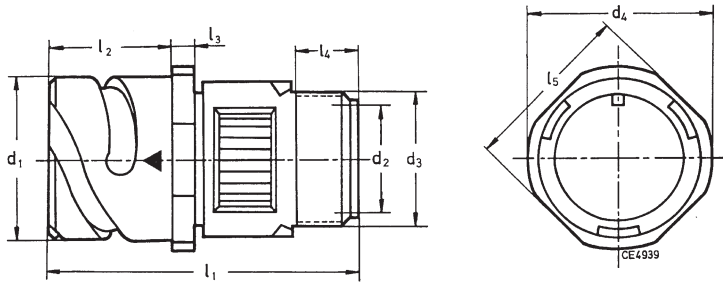
[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

Straight Plug

CA3101F-B - designates a cable connection plug for flex tube

CA3101F-B and Modifications, see page 12



Cannon Part no.	d_1 -0,15	d_2[2] min.	d_3 Thread	d_4 max.	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 min.	l_5 ±0,2	Weight[1] g max.
CA3101F10SL-**-B-***	18,2	8,2	5/8-24NEF-2A	25,2	52	18,2	2,8	9,5	20,6	35
CA3101F12S-**-B-***	21,4	8,2	5/8-24NEF-2A	27,8	52	18,2	3,2	9,5	23,6	45
CA3101F14S-**-B-***	24,6	11,1	3/4-20UNEF-2A	29,8	52	18,2	3,2	9,5	25,4	50
CA3101F16S-**-B-***	27,4	14,3	7/8-20UNEF-2A	32,3	59	18,2	3,2	9,5	28,6	60
CA3101F16-**-B-***	27,4	14,3	7/8-20UNEF-2A	32,3	59	23,05	3,2	9,5	28,6	65
CA3101F18-**-B-***	30,8	16,7	1-20UNEF-2A	34,8	63	23,05	4,0	9,5	31,7	80
CA3101F20-**-B-***	34,2	19,8	1 3/16-18UNEF-2A	37,8	63	23,05	4,0	9,5	34,9	95
CA3101F22-**-B-***	37,4	19,8	1 3/16-18UNEF-2A	41,1	66	23,05	4,0	9,5	38,1	105
CA3101F24-**-B-***	40,9	25,4	1 7/16-18UNEF-2A	44,6	69	23,05	4,0	9,5	41,3	140
CA3101F28-**-B-***	46,7	27,0	1 7/16-18UNEF-2A	50,9	70	24,05	4,0	9,5	47,6	160
CA3101F32-**-B-***	53,4	32,5	1 3/4-16UNS-2A	57,1	71	24,05	4,0	11,0	54,0	205
CA3101F36-**-B-***	59,6	35,7	2-18UNS-2A	63,6	73	24,05	4,0	11,8	60,6	270

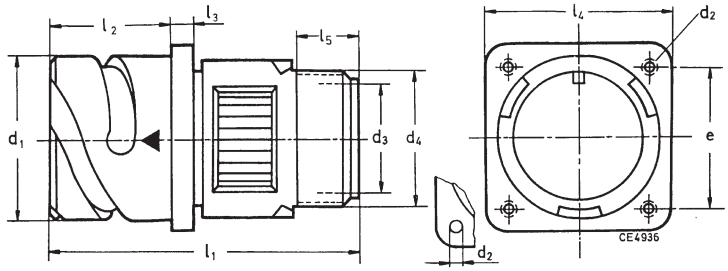
[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

Wall Mounting Receptacle

CA3100F-B designates a wall mounting receptacle with straight endbell and protective hose.

CA3100F-B and Modifications, see page 12



Mod -05

Cannon Part no.	d_1 -0,15	d_2 Thread	d_2 +0,2	d_3[2]	d_4 Thread	e ±0,1	l_1 max.	l_2 +0,4	l_3 ±0,2	l_4 ±0,3	l_5 min.	Weight[1] g max.
CA3100F10SL-**-B-***	18,2	M4	3,2	8,2	5/8-24NEF-2A	18,2	52	18,2	2,8	25,4	9,5	40
CA3100F12S-**-B-***	21,4	M4	3,2	8,2	5/8-24NEF-2A	20,6	52	18,2	3,2	28,0	9,5	50
CA3100F14S-**-B-***	24,5	M4	3,2	11,1	3/4-20UNEF-2A	23,0	52	18,2	3,2	30,0	9,5	60
CA3100F16S-**-B-***	27,4	M4	3,2	14,3	7/8-20UNEF-2A	24,6	59	18,2	3,2	32,5	9,5	70
CA3100F16-**-B-***	27,4	M4	3,2	14,3	7/8-20UNEF-2A	24,6	59	23,05	3,2	32,5	9,5	75
CA3100F18-**-B-***	30,8	M4	3,2	16,7	1-20UNEF-2A	27,0	63	23,05	4,0	35,0	9,5	90
CA3100F20-**-B-***	34,2	M4	3,2	19,8	1 3/16-18UNEF-2A	29,4	63	23,05	4,0	38,0	9,5	110
CA3100F22-**-B-***	37,4	M4	3,2	19,8	1 3/16-18UNEF-2A	31,8	66	23,05	4,0	42,0	9,5	125
CA3100F24-**-B-***	40,9	M4	3,7	25,4	1 7/16-18UNEF-2A	34,9	69	23,05	4,0	44,5	9,5	160
CA3100F28-**-B-***	46,7	M5	3,7	27,0	1 7/16-18UNEF-2A	39,7	70	24,05	4,0	50,8	9,5	190
CA3100F32-**-B-***	53,4	M5	4,3	32,5	1 3/4-18UNS-2A	44,5	71	24,05	4,0	57,0	11,0	230
CA3100F36-**-B-***	59,6	M5	4,3	35,7	2-18UNS-2A	49,2	73	24,05	4,0	63,5	11,8	300

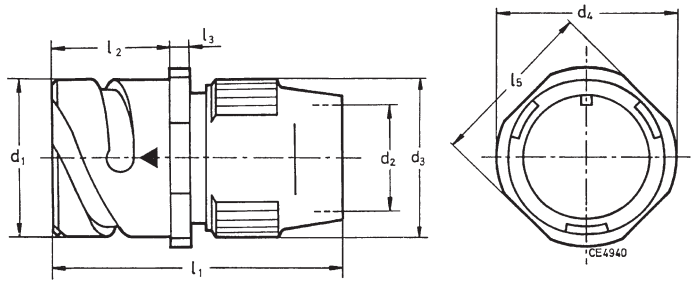
[1] Weight without insulator, grommets and contacts.

[2] For max. cable entry.

Straight Plug

CA3101R-B designates a cable connection plug with short endbell, without cable clamp

CA3101R-B and Modification, see page 12



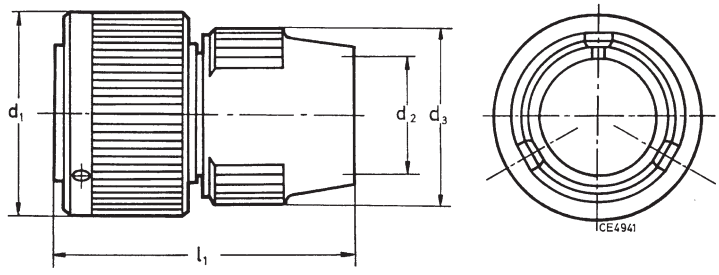
Cannon Part no.	d_1 -0,15	d_2 min.	d_3 max.	d_4 max.	l_1 max.	l_2 +0,4	l_3 ±0,2	l_5 ±0,2	Weight[1] g max.
CA3101R10SL-**-B-***	18,2	9,6	22,0	25,2	50	18,2	2,8	20,6	32
CA3101R12S-**-B-***	21,4	10,3	23,0	27,8	52	18,2	3,2	23,6	40
CA3101R14S-**-B-***	24,6	12,4	27,0	29,8	52	18,2	3,2	25,4	47
CA3101R16S-**-B-***	27,4	15,4	28,0	32,3	58	18,2	3,2	28,6	55
CA3101R16-**-B-***	27,4	15,4	28,0	32,3	58	23,05	3,2	28,6	60
CA3101R18-**-B-***	30,8	18,4	31,0	34,8	65	23,05	4,0	31,7	75
CA3101R20-**-B-***	34,2	22,0	35,0	37,8	65	23,05	4,0	34,9	90
CA3101R22-**-B-***	37,4	24,7	38,0	41,1	65	23,05	4,0	38,1	100
CA3101R24-**-B-***	40,9	27,6	42,0	44,6	67	23,05	4,0	41,3	135
CA3101R28-**-B-***	46,7	31,6	49,0	50,9	67	24,05	4,0	47,6	155
CA3101R32-**-B-***	53,4	38,5	55,0	57,1	67	24,05	4,0	54,0	200
CA3101R36-**-B-***	59,6	44,5	62,0	63,6	67	24,05	4,0	60,6	260

[1] Weight without insulator, grommets and contacts.

Straight Plug

CA3106R-B designates a straight plug with short endbell, without cable clamp

CA3106R-B and Modification, see page 12

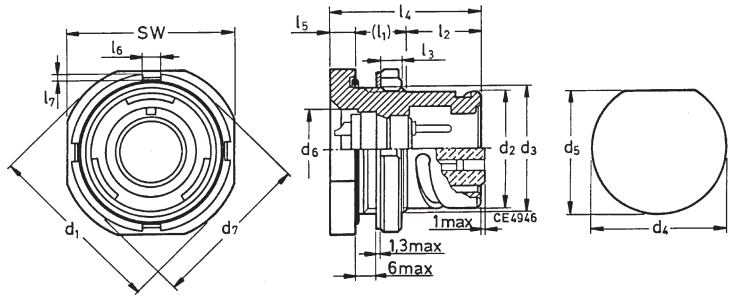


Cannon Part no.	d_1 max.	d_2[1]	d_3 max.	l_1 max.	Weight g max.
CA3106R10SL-**-B-***	22,8	9,6	22,0	50	27
CA3106R12S-**-B-***	26,0	10,3	23,0	50	35
CA3106R14S-**-B-***	29,2	12,4	27,0	50	40
CA3106R16S-**-B-***	32,0	15,4	28,0	50	50
CA3106R16-**-B-***	32,0	15,4	28,0	60	57
CA3106R18-**-B-***	36,5	18,4	31,0	62	65
CA3106R20-**-B-***	39,9	22,0	35,0	62	80
CA3106R22-**-B-***	43,1	24,7	38,0	62	87
CA3106R24-**-B-***	46,6	27,6	42,0	62	120
CA3100R28-**-B-***	53,4	31,6	49,0	62	150
CA3106R32-**-B-***	60,1	38,5	55,0	62	190
CA3106R36-**-B-***	66,3	44,5	62,0	62	250

[1] For max. cable entry.

Jam Nut Receptacle

CA07A-B

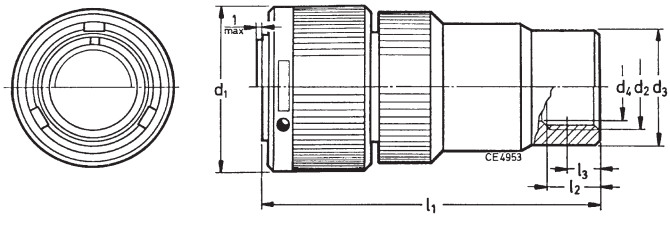


Cannon Part no.	d_1	d_2	d_3 Thread	(l_1)	l_2	l_3	l_4	d_4	d_5	d_6	d_7	sw	d_8	l_5	l_6	l_7
CA07A10SL-**B-***	35,0	18,2	7/8-20UNEF-2A	13,5	12,5	4,0	29,2	22,7	20,9	13,5	31,5	31,8	20,6	3,2	5,0	2,5
CA07A14S-**B-***	41,3	24,6	1 1/8-18UNEF-2A	13,5	12,5	4,0	29,2	28,8	27,2	17,9	37,9	38,1	26,9	3,2	6,0	2,5
CA07A16S-**B-***	44,4	27,4	1 1/4-18UNEF-2A	13,5	12,5	4,0	29,2	32,0	30,4	21,1	41,0	41,2	30,1	3,2	6,0	2,5
CA07A16-**B-***	44,4	27,4	1 1/4-18UNEF-2A	13,5	21,0	4,0	37,7	32,0	30,4	21,1	41,0	41,2	30,1	3,2	6,0	2,5
CA07A18-**B-***	48,2	30,8	1 3/8-18UNEF-2A	15,0	21,0	5,0	40,0	35,1	33,6	24,2	44,8	45,0	33,3	4,0	7,0	3,0
CA07A20-**B-***	52,4	34,2	1 1/2-18UNEF-2A	15,0	21,0	5,0	40,0	38,2	36,8	28,2	49,0	49,2	36,5	4,0	7,0	3,0
CA07A22-**B-***	55,5	37,4	1 5/8-18UNEF-2A	15,0	21,0	5,0	40,0	42,0	39,9	31,4	52,2	52,4	39,6	4,0	7,0	3,0
CA07A24-**B-***	59,0	40,9	1 3/4-18UNEF-2A	15,0	21,0	5,0	40,0	44,7	43,1	34,5	55,0	55,2	41,2	4,0	7,0	3,0
CA07A28-**B-***	66,0	46,7	2-18UNEF-2A	15,0	21,0	5,0	40,0	51,1	49,2	40,1	62,0	62,2	47,5	4,0	7,0	3,0
CA07A32-**B-***	72,0	53,4	2 1/4-16UN-2A	15,0	21,0	5,0	40,0	57,4	55,7	46,5	68,0	68,2	54,1	4,0	7,0	3,0
CA07A36-**B-***	80,0	59,6	1/2-16UN-2A	15,0	21,0	5,0	40,0	63,8	62,0	51,2	75,0	75,2	60,5	4,0	8,0	3,0

Straight Plug with PG Adapter

CA06PG-B

CA06ME-B



Cannon Part no.	d_1	d_3	d_4	l_1	l_2	l_3	d_2 PG-Thread
CA06PG10SL-**-B-***	22,8	18,0	9,7	52	9,5	7,0	PG 9
CA06PG12S-**-B-***	26,0	18,8	10,4	52	9,5	7,0	PG 9
CA06PG14S-**-B-***	29,2	22,0	12,5	52	10,0	7,0	PG11
CA06PG16S-**-B-***	32,0	23,6	15,0	54	10,0	7,0	PG13,5
CA06PG16-**-B-***	32,0	24,0	15,0	64	10,0	7,0	PG13,5
CA06PG18-**-B-***	36,5	24,4	17,0	69	11,5	7,5	PG13,5
CA06PG20-**-B-***	39,9	26,8	17,0	70	11,5	7,5	PG16
CA06PG22-**-B-***	42,1	26,4	17,0	73	11,5	7,5	PG16
CA06PG24-**-B-***	46,6	26,8	18,5	74	12,5	7,5	PG16
CA06PG28-**-B-***	53,4	32,0	18,5	74	12,5	7,5	PG21
CA06PG32-**-B-***	60,1	40,8	24,0	76	13,5	8,5	PG29
CA06PG36-**-B-***	66,3	40,8	32,0	87	15,0	9,0	PG29

Cannon Part no.	d_1	d_3	d_4	l_1	l_2	l_3	d_2 Metric
CA06ME10SL-**-B-***	22,8	18,0	9,7	52	9,5	7,0	M16 X 1,5
CA06ME12S-**-B-***	26,0	18,8	10,4	52	9,5	7,0	M16 X 1,5
CA06ME14S-**-B-***	29,2	22,0	12,5	52	10,0	7,0	M20 X 1,5
CA06ME16S-**-B-***	32,0	23,6	15,0	54	10,0	7,0	M20 X 1,5
CA06ME16-**-B-***	32,0	24,0	15,0	64	10,0	7,0	M20 X 1,5
CA06ME18-**-B-***	36,5	24,4	17,0	69	11,5	7,5	M25 X 1,5
CA06ME20-**-B-***	39,9	26,8	17,0	70	11,5	7,5	M25 X 1,5
CA06ME22-**-B-***	42,1	26,4	17,0	73	11,5	7,5	M32 X 1,5
CA06ME24-**-B-***	46,6	26,8	18,5	74	12,5	7,5	M32 X 1,5
CA06ME28-**-B-***	53,4	32,0	18,5	74	12,5	7,5	upon request
CA06ME32-**-B-***	60,1	40,8	24,0	76	13,5	8,5	upon request
CA06ME36-**-B-***	66,3	40,8	32,0	87	15,0	9,0	upon request

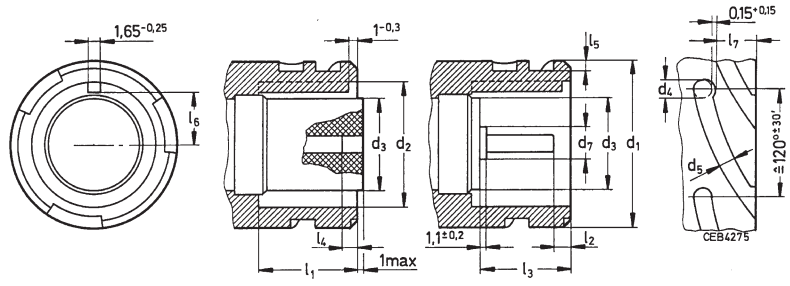
Dimensions shown in mm

Specifications and dimensions subject to change

Coupling Dimensions

for connector style A, B1, B2, C1, C2, F, J1, J2, N1 and N2 resp. CA3100, CA3101, CA3102 and TBF

A = Contact size 10
B = Contact size 15S, 15, 16S, 16
C = Contact size 25, 12
D = Contact size 60, 100, 160, 500, 8.4, 0
E = Contact size 10
F = Contact size 15S, 16S
G = all others

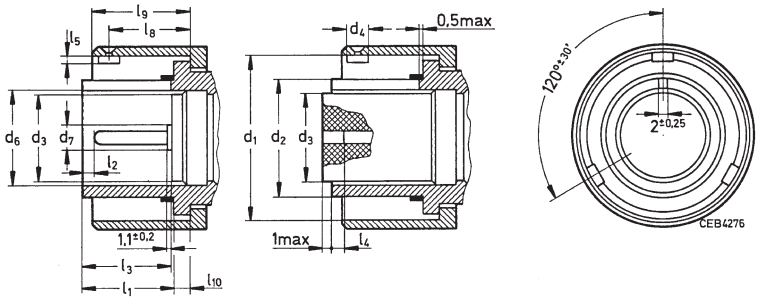


Shell size	d_1 -0,15	d_2 +0,3	d_3	d_4 +0,4	d_5 +0,8	l_1 min.	l_2 ±1 A-1	l_2 B±1	l_2 C±1	l_2 D	l_3 ±0,5	l_4 ±1 E	l_4 F	l_4 G	l_5 +0,2	l_6 +0,4	l_7 +0,1 -0,05
10SL	18,2	11,4	$9,7^{+0,25}_{-0,3}$	2,75	2,75	14,2	–	2,2	–	–	12,8	–	2	–	1,8	4,4	6,3
12S	21,4	14,2	$10,8^{+0,25}_{-0,3}$	2,75	2,75	14,2	–	2,2	–	–	12,8	–	2	–	1,8	5,9	6,3
14S	24,6	17,3	$13,0^{+0,25}_{-0,3}$	2,75	2,75	14,2	–	2,2	–	–	12,8	–	2	–	1,8	6,9	6,3
16S	27,4	20,6	$16,1^{+0,25}_{-0,3}$	2,75	2,75	14,2	–	2,2	–	–	12,8	–	2	–	1,8	8,4	6,3
16	27,4	20,6	$16,1^{+0,25}_{-0,3}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	8,4	9,6
18	30,8	23,8	$18,8^{\pm0,4}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	2,0	9,7	9,6
20	34,2	26,9	$22,6^{\pm0,4}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	2,0	11,7	9,6
22	37,4	30,0	$25,1^{\pm0,4}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	2,0	12,9	9,6
24	40,9	33,2	$28,2^{\pm0,4}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	2,0	14,5	9,6
28	46,7	38,8	$33,6^{\pm0,4}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	2,0	17,3	9,6
32	53,4	45,2	$40,0^{\pm0,4}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	2,0	20,4	9,6
36	59,6	50,6	$45,5^{\pm0,4}$	4,65	4,65	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	2,0	23,0	9,6

Coupling Dimensions

for connector style D, E, E1, G and H resp. CA3106 und 3108

A = Contact size 10
B = Contact size 15S, 15, 16S, 16
C = Contact size 25, 12
D = Contact size 60, 100, 160, 500, 8, 4, 0
E = Contact size 10
F = Contact size 15S, 16S
G = all others



Shell size	d_1 -0,15	d_2 -0,3	d_3	d_4 -0,1	d_6	l_1 ±0,2	l_2 ±1 A	l_2 B	l_2 C	l_2 D	l_3[1] ±0,5	l_4 ±1 E	l_4 F	l_4 G	l_5 +0,05 -0,1	l_8 ±1	l_9 ±0,5	l_{10} +0,1 -0,05
10SL	18,2	11,3	$9,7^{+0,25}_{-0,3}$	2,6	$10,0^{+0,3}$	13,5	–	2,2	–	–	12,8	–	2	–	1,6	11,8	14	2,1
12S	21,4	14,0	$10,8^{+0,25}_{-0,3}$	2,6	$11,4^{+0,6}$	13,5	–	2,2	–	–	12,8	–	2	–	1,6	11,8	14	2,1
14S	24,8	17,1	$13,0^{+0,25}_{-0,3}$	2,6	$13,3^{+0,6}$	13,5	–	2,2	–	–	12,8	–	2	–	1,6	11,8	14	2,1
16S	27,6	20,4	$16,1^{+0,25}_{-0,3}$	2,6	$16,4^{+0,6}$	13,5	–	2,2	–	–	12,8	–	2	–	1,6	11,8	14	2,1
16	27,6	20,4	$16,1^{+0,25}_{-0,3}$	4,5	$16,4^{+0,6}$	18,2	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,6	16,0	18,8	2,1
18	31,1	23,6	$18,8^{\pm0,4}$	4,5	$19,6^{+0,6}$	18,2	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	16,0	18,8	2,1
20	34,5	26,7	$22,6^{\pm0,4}$	4,5	$23,6^{+0,6}$	18,2	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	16,0	18,8	2,1
22	37,7	29,8	$25,1^{\pm0,4}$	4,5	$26,0^{+0,6}$	18,2	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	16,0	18,8	2,1
24	41,2	33,0	$28,2^{\pm0,4}$	4,5	$29,1^{+0,7}$	18,2	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	16,8	19,6	2,8
28	47,0	38,6	$33,6^{\pm0,4}$	4,5	$34,7^{+0,7}$	18,2	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	16,8	19,6	2,8
32	53,7	44,9	$40,0^{\pm0,4}$	4,5	$41,0^{+0,7}$	18,2	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	16,8	19,6	2,8
36	59,9	50,3	$45,5^{\pm0,4}$	4,5	$46,6^{+0,7}$	19	9,8	6,6	3	2,3	17,6	1,4	–	2,6	1,8	16,8	19,6	2,8

[1] In terminated condition

General Information

Scope
This specification describes a similar CA-B connector with a sealing degree up to IP69K. This connector is interchangable with the corresponding types as per MIL-C-5015 and VG95234, as they offer the same mounting dimensions and contact arrangements. These connectors are without spring washer, friction ring and grommet.

Recommended Method of Mounting
Connector shell is fixed with 4 screws on the housing. In combination with unsiversal endbell and an o-ring between flange receptacle and wall the connector will reach IP68 sealing (1bar, 16h) and IP69K sealing.

Ratings & Characteristics

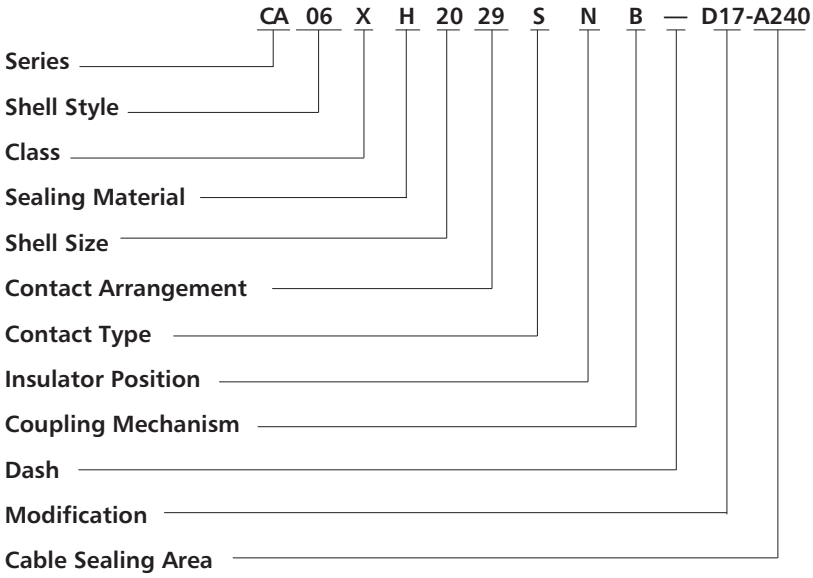
Locking Device	Bayonet Coupling
Wire Size	From 1,5mm^2 to 2,5mm^2
Contact Type	Crimp or Solder Contacts
Electric Characteristics	In accordance with VG95234 bayonet coupling
Environmental Characteristics	In accordance with VG95234 bayonet coupling Deviance with plating A240: 500h salt spray test with mated pair Deviance with plating A34: 48h salt spray test
Water tightness for mated connector	IP68 (1bar, 16h) and connector IP69K in combination with universal endbell and o-ring (flange receptacle to wall)

Normative references

DIN EN 61984	(Electrical Connector, safety requirements and tests)
IEC 60068	(Environmental tests)
IEC 60352	(Crimp connection and requirements)
IEC 60512	(Electrical Connector, measuring and test procedure)
IEC 60529	(Specification for degrees of protection provided by enclosures)
VG 95373	(Electromagnetic compatibility)

How to order

Cannon Order reference



Explanation

Series	CA
Shell Style	02 = Wall mounting receptacle, front panel mounting 06 = Straight plug, without spring washer, friction ring and grommet
Class	X=Universal endbell IP69K
Sealing Material	H= FKM sealing Without = CR-Sealing / weak backed seal: Silicone (Standard)
Shell Sizes	Available shell sizes: 10SL, 14S, 18, 20, 22
Contact Arrangement	20-29 = Layout 20-29, 17x contact size 15/16
Contact Type	P= Pin, S=Socket
Coupling Mechanism	B=Bayonet
Insulator Position	See page 27
Modification	Please refer the Modification Codes on next page.
Cable Sealing Area	D07 = with Universal Endbell (IP69K), straight version: #10SL, #14S, #20 (wire size 4,5 - 7,2mm) D09 = with Universal Endbell (IP69K), straight version: #14S, #20 (wire size 6,5 - 9,3mm) D11 = with Universal Endbell (IP69K), straight version: #14S, #18, #20 (wire size 7,0 - 10,3mm) D13 = with Universal Endbell (IP69K), straight version: #18, #20, #22 (wire size 8,0 - 12,5mm) D14 = with Universal Endbell (IP69K), straight version: #18, #22 (wire size 11,1 - 14,2mm) D17 = with Universal Endbell (IP69K), straight version: #20, #22, #28 (wire size 14,5 - 16,6mm)

Modification

01 – metric crimp contacts
41 – shielded version, grounding spring on barrel
F80 – AWG crimp contacts
A176 – gold plated contact, see pages 50-51
A232 – Zinc cobalt black plating
A233 – Zinc cobalt green plating
A240 – Zinc Nickel plating, blue iridescent
F0 – less contacts, contacts to be ordered separately, see pages 51 – 52

General

IP69K in combination with universal endbell and o-ring (flange receptacle to wall) other styles:
IP67 acc. To DIN 40050 (1 bar / 12 h)

Attention! Longitudinal sealing: The connector is not sealed against fluids entering throughthe cable, as the sealing lips of the single wire sealing are pressing against the jacket of the individual cables.

Electrical Data (0,3 - 0,6 mm²)

Insulation Resistance
Test acc. To VG95319 part 2, test no. 5.12., test condition B
Insulation resistance ≥ 1000 MΩ (standard material)

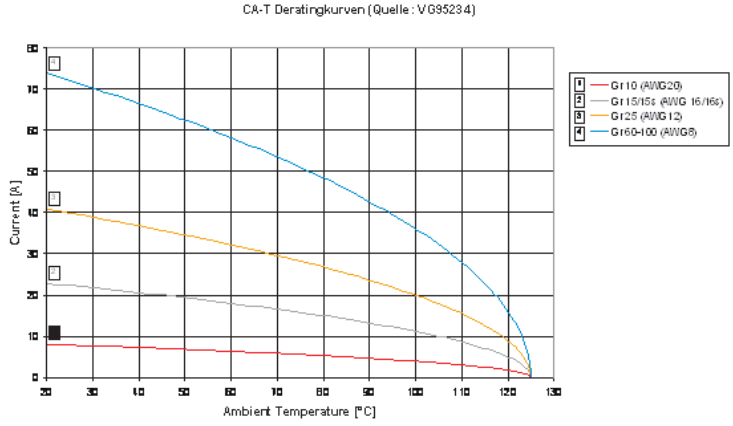
Test Voltage
Test acc. To VG95319 part 2, test no. 5.13.

Instruments:	1050 Vrms
A:	1600 Vrms
D:	2500 Vrms

Max. Permitted Operating Voltage	
DC voltage (U) in V	AC voltage (Urms) in V
85	60

Operating Voltage and Connector Usage
Test acc. To VG95328 part 2, test no. 5.28.2.
If connector is used at voltage > 50 Vrms against ground general safety notes and protective measures acc. To DIN VDE part 410 and IEC 60364-4-41 have to be observed. All touchable parts have to be entered in these protective measures without fail. Connectors in equipments must not be separated or mated under load when used per specification.

Current Rating
Current rating tested acc. To VG95234 part 1



Current ratings are minimal values acc. To VG95234. For effective values refer to customer service.

Contact Resistant
Milivolt test acc. To VG95234 part 2, test no. 5.10.1. and VG95210 part 37, including 100 mm of cable on each side.

Contact Size	Max. Contact Resistance
#10/20	12 mΩ
#15/16	6 mΩ
#25/12	3 mΩ
#60/100/8	1 mΩ

Shielding
Test acc. To VG95234 part 1, test no. 5.11.

Mechanical Characteristics

Coupling Torque

	max	min
Coupling Torque at Opening and Closing	5 Nm	0,7 Nm

Designation	Material	Finish
Shell	Al-alloy	According to order reference
Coupling Nut		
Endbell		
Cone Ring		
Clamping Nut		
Clutch Spring		
Circlip	Spring Steel	-
Contact	Cu-alloy	Silver Plated and Passivated
Clutch Ring	PPS	-
Shielding Sleeve	PA66	
Clamping Ring	PBT	
Insulator	CR-rubber	-
Sealing Ring		
Grommet		
O-ring		

Connector Dimensions

Cable Connecting Plug
Universal Endbell Bayonet

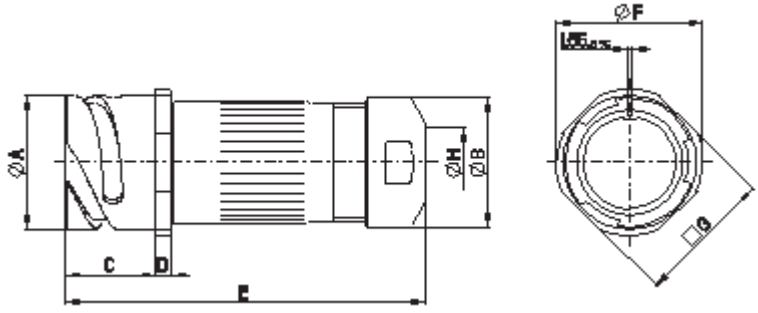
Endbell: Universal Endbell

Shielding: Yes

Sealing (*): IP67, IP68, IP69K

CA01X…
Straight plug for cable connection with universal endbell.

Please pay attention that the diameter of the cable is in the sealing range ØH.



Part No.	ØA	ØB	C	D	E	ØF	G	ØH Sealing Range			
	- 0,15	± 0,2	+ 0,4	± 0,2	max	max	± 0,2	min		max	
CA01X10SL-**…D07…	18.2	17.9	18.2	2.8	85	25.2	20.6	4.5	-	7.2	mm
CA01X14S-**…D07…	24.6	17.9	18.2	3.2	87	29.8	25.4	4.5	-	7.2	mm
CA01X14S-**…D09…	24.6	21.0	18.2	3.2	87	29.8	25.4	6.5	-	9.3	mm
CA01X14S-**…D11…	24.6	24.0	18.2	3.2	87	29.8	25.4	8.0	-	10.3	mm
CA01X18-**…D11…	30.8	24.0	23.05	4.0	93	34.8	31.7	8.0	-	10.3	mm
CA01X18-**…D13…	30.8	27.4	23.05	4.0	93	34.8	31.7	9.0	-	12.5	mm
CA01X18-**…D14…	30.8	30.0	23.05	4.0	93	34.8	31.7	11.5	-	14.2	mm
CA01X20-**…D07…	34.2	17.9	23.05	4.0	96	37.8	34.9	4.5	-	7.2	mm
CA01X20-**…D09…	34.2	21.0	23.05	4.0	96	37.8	34.9	6.5	-	9.3	mm
CA01X20-**…D11…	34.2	24.0	23.05	4.0	96	37.8	34.9	8.0	-	10.3	mm
CA01X20-**…D13…	34.2	27.4	23.05	4.0	96	37.8	34.9	9.0	-	12.5	mm
CA01X20-**…D17…	34.2	33.6	23.05	4.0	96	37.8	34.9	14.5	-	16.6	mm
CA01X22-**…D13…	37.4	27.4	23.05	4.0	100	41.1	38.1	9.0	-	12.5	mm
CA01X22-**…D14…	37.4	30.0	23.05	4.0	100	41.1	38.1	11.5	-	14.2	mm
CA01X22-**…D17…	37.4	33.6	23.05	4.0	100	41.1	38.1	14.5	-	16.6	mm
CA01X28-**…D17…	37.4	33.6	24.05	4.0	108	50.9	47.6	14.5	-	16.6	mm

(*) Sealing is achieved in mated condition. A receptacle with the suitable sealing grade is needed.

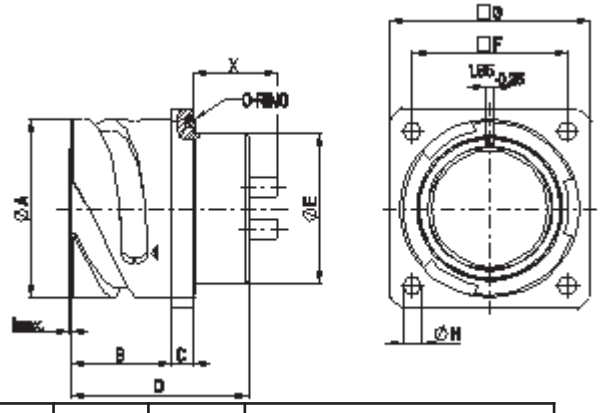
Box Mounting Receptacle
Front Panel Mounting

Endbell: None

Shielding: None

Sealing (*): IP67, IP68, IP69K

CA02X…-B…
Box Mounting Receptacle
Front Panel Mounting
with O-Ring Sealing for IP69K



Part No.	A	B	C	D	E	F	G	H	X / Kontaktgröße		
	- 0,15	+ 0,4	± 0,2	± 0,3	max	± 0,1	± 0,3	H13	15	25	100
CA02X10SL-**-P*-B	18.2	14.2	2.8	24.7	16.2	18.2	25.4	3.2	13.6	-	-
CA02X14S-**-P*-B	24.6	14.2	3.2	24.7	19.2	23	30	3.2	13.2	-	-
CA02X18-**-P*-B	30.8	19.0	4.0	33.8	25.6	27.0	35.0	3.2	17.1	17.1	18.7
CA02X20-**-P*-B	34.2	19.0	4.0	33.8	29.0	29.4	38.0	3.2	17.1	17.1	18.7
CA02X22-**-P*-B	37.4	19	4.0	33.8	32.2	31.8	41	3.2	17.1	17.1	18.7
CA02X28-**-P*-B	46.7	20.6	4.0	33.8	41.4	39.7	50.8	3.7	15.5	15.5	17.1

(*) Sealing is achieved in mated condition.

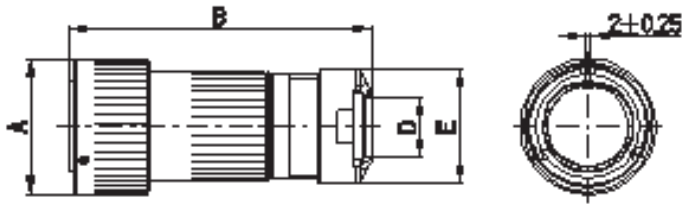
Straight Plug
Universal Endbell Bayonet

Endbell: Universal Endbell

Shielding: Yes, with Modification Code

Sealing (*): IP67, IP68, IP69K

CA06X…-B…
Straight plug with universal endbell.



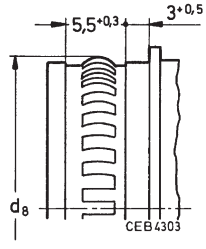
Please pay attention that the diameter of the cable is in the sealing range ØH.

Part No.	ØA	B	ØE	ØD Sealing Range			
	max	max	± 0,2	min		max	
CA06X10SL-**…D07…	22.8	82	17.9	4.5	-	7.2	mm
CA06X14S-**…D07…	29.2	82	17.9	4.5	-	7.2	mm
CA06X14S-**…D09…	29.2	82	21.0	6.5	-	9.3	mm
CA06X14S-**…D11…	29.2	82	24.0	8.0	-	10.3	mm
CA06X18-**…D11…	36.5	88	24.0	8.0	-	10.3	mm
CA06X18-**…D13…	36.5	88	27.4	9.0	-	12.5	mm
CA06X18-**…D14…	36.5	88	30.0	11.5	-	14.2	mm
CA06X20-**…D07…	39.9	92	17.9	4.5	-	7.2	mm
CA06X20-**…D09…	39.9	92	21.0	6.5	-	9.3	mm
CA06X20-**…D11…	39.9	92	24.0	8.0	-	10.3	mm
CA06X20-**…D13…	39.9	92	27.4	9.0	-	12.5	mm
CA06X20-**…D17…	39.9	92	33.6	14.5	-	16.6	mm
CA06X22-**…D13…	43.1	98	27.4	9.0	-	12.5	mm
CA06X22-**…D14…	43.1	98	30.0	11.5	-	14.2	mm
CA06X22-**…D17…	43.1	98	33.6	14.5	-	16.6	mm
CA06X28-**…D17…	53.4	105	33.6	14.5	-	16.6	mm

Mating Dimensions

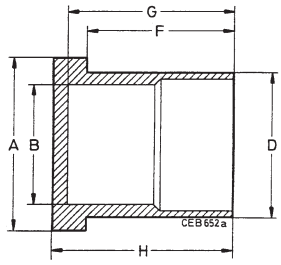
for shell styles K, L and M, shown without coupling nut

Size	d_8 min.	Size	d_8 min.
14S	17,9	22	30,7
16S	21,2	24	33,9
16	21,2	28	39,5
18	24,4	32	46,0
20	27,6	36	51,4



Plastic Protecting Caps

Colour: red
(similar to RAL 2003)

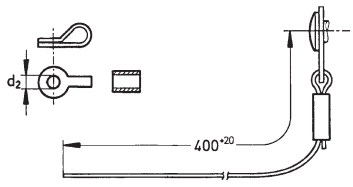


Part no.	Protecting cap for Receptacles Shell size	Plugs Shell size	ø A max.	ø B -0,2	ø D +0,2	F ±0,2	G ±0,2	H max.
025-8636-005	10S/10SL	–	22,8	17,7	19,7	10,7	14,2	15,9
025-8636-006	–	10S/10SL	22,8	10,7	12,9	15,5	17,0	18,7
025-8636-008	–	12S	26,0	13,4	15,8	15,5	17,0	18,7
025-8636-010	12S/12	–	26,0	20,9	22,9	10,7	14,2	15,9
025-8636-016	14S/14	–	29,2	24,1	26,1	10,7	14,2	15,9
025-8636-017	–	14S	29,2	16,5	19,1	15,5	17,0	18,7
025-8636-018	–	14	29,2	16,5	19,1	20,2	21,7	23,4
025-8636-022	–	16S	32,0	19,8	22,4	15,5	17,0	18,7
025-8636-024	–	16	32,0	19,8	22,4	20,2	21,7	23,4
025-8636-025	16S	–	32,0	26,9	28,9	10,7	14,2	15,9
025-8636-026	16	–	32,0	26,9	28,9	17,5	19,0	20,7
025-8636-034	18	–	36,5	30,3	32,3	17,5	19,0	20,7
025-8636-036	–	18	36,5	23,0	25,6	20,2	21,7	23,4
025-8636-042	20	–	39,9	33,7	35,7	17,5	19,0	20,7
025-8636-044	–	20	39,9	26,1	28,8	20,2	21,7	23,4
025-8636-048	–	22	43,1	29,2	31,9	20,2	21,7	23,4
025-8636-049	22	–	43,1	36,9	38,9	17,5	19,0	20,7
025-8636-053	24	–	46,6	40,4	42,4	19,1	20,6	22,3
025-8636-054	–	24	46,6	32,4	35,1	20,2	21,7	23,4
025-8636-058	28	–	53,4	46,2	48,2	19,1	20,6	22,3
025-8636-060	–	28	53,4	38,0	40,7	20,2	21,7	23,4
025-8636-061	–	32	60,1	44,3	47,2	20,2	21,7	23,4
025-8636-062	32	–	64,9	52,9	54,9	20,7	22,2	23,9
025-8636-064	36	–	71,1	59,1	60,1	20,7	22,2	23,9
025-8636-065	–	36	66,3	49,7	51,6	20,2	21,7	23,4

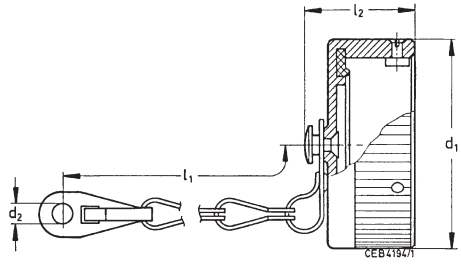
Dimensions shown in mm
Specifications and dimensions subject to change

Metal Protecting Caps

for receptacles, shell style
3100, 3101 und 3102
Material: Aluminum alloy



VG95234 Style KA with cord



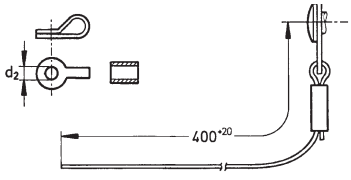
VG95234 Style KR with chain

Shell size	VG95234 Part No. with chain	Cannon A66 Part No. with chain	Cannon A232 Part No. with chain	Cannon A233 Part No. with chain	Cannon A240 Part No. with chain	VG95234 Part No. with cord	Cannon A66 Part No. with cord	d_1 max.	d_2 +0,6	l_1 min. for chain	l_2 max. for chain	Weight g max.
10SL	VG95234KR10SL	CA121003-1	CA121003-71	CA121003-121	CA121003-161	VG95234KA10SL	CAB81-10SL-D	23,5	4,3	100	20	16
12S		CA121003-2	CA121003-72	CA121003-122	CA121003-162		CAB81-12S-D	27	4,3	100	20	17
14S	VG95234KR14S	CA121003-3	CA121003-73	CA121003-123	CA121003-163	VG95234KA14S	CAB81-14S-D	30,6	4,3	100	20	18
16S	VG95234KR16S	CA121003-4	CA121003-74	CA121003-124	CA121003-164	VG95234KA16S	CAB81-16S-D	33	4,3	100	20	16
16	VG95234KR16	CA121003-5	CA121003-75	CA121003-125	CA121003-165	VG95234KA16	CAB81-16-D	33	4,3	113	25	23
18	VG95234KR18	CA121003-6	CA121003-76	CA121003-126	CA121003-166	VG95234KA18	CAB81-18-D	37,5	4,3	113	25	27
20	VG95234KR20	CA121003-7	CA121003-77	CA121003-127	CA121003-167	VG95234KA20	CAB81-20-D	41	4,3	127	25	30
22	VG95234KR22	CA121003-8	CA121003-78	CA121003-128	CA121003-168	VG95234KA22	CAB81-22-D	44	4,3	127	25	33
24	VG95234KR24	CA121003-9	CA121003-79	CA121003-129	CA121003-169	VG95234KA24	CAB81-24-D	47,5	4,3	127	25	37
28	VG95234KR28	CA121003-10	CA121003-80	CA121003-130	CA121003-170	VG95234KA28	CAB81-28-D	54,5	5,5	169	25	42
32	VG95234KR32	CA121003-11	CA121003-81	CA121003-131	CA121003-171	VG95234KA32	CAB81-32-D	61	5,5	169	25	48
38	VG95234KR36	CA121003-12	CA121003-82	CA121003-132	CA121003-172	VG95234KA36	CAB81-36-D	67,5	5,5	169	25	55

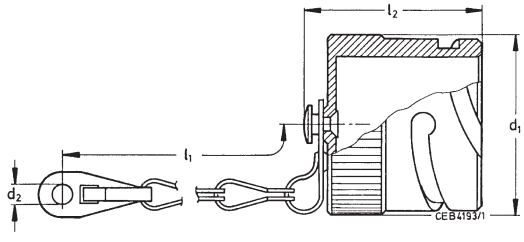
For plating information A66, A232, A233, A240. Please see page 12
If on CAB 81 another plating is desired please add the relevantMod as indicated on page 12

Metal Protecting Caps

for plugs, shell style
3106 and 3108
Material: Aluminum alloy



VG95234 Style KC with cord



VG95234 Style KB with chain

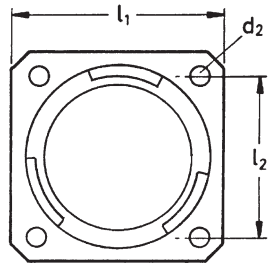
Shell size	VG95234 Part No. with chain	Cannon A66 Part No. with chain	Cannon A232 Part No. with chain	Cannon A233 Part No. with chain	Cannon A240 Part No. with chain	VG95234 Part No. with cord	Cannon A66 Part No. with cord	d_1 max.	d_2 +0,6	l_1 min. for chain	l_2 max. for chain	Weight g max.
10SL	VG95234KB10SL	CA121004-1	CA121004-71	CA121004-121	CA121004-161	VG95234KC10SL	CAB80-10SL-D	21	4,3	100	29	19
12S		CA121004-2	CA121004-72	CA121004-122	CA121004-162		CAB80-12S-D	24	4,3	100	29	23
14S	VG95234KB14S	CA121004-3	CA121004-73	CA121004-123	CA121004-163	VG95234KC14S	CAB80-14S-D	27,5	4,3	100	29	26
16S	VG95234KB16S	CA121004-4	CA121004-74	CA121004-124	CA121004-164	VG95234KC16S	CAB80-16S-D	30	4,3	100	29	28
16	VG95234KB16	CA121004-5	CA121004-75	CA121004-125	CA121004-165	VG95234KC16	CAB80-16-D	30	4,3	113	37	33
18	VG95234KB18	CA121004-6	CA121004-76	CA121004-126	CA121004-166	VG95234KC18	CAB80-18-D	33,5	4,3	113	37	38
20	VG95234KB20	CA121004-7	CA121004-77	CA121004-127	CA121004-167	VG95234KC20	CAB80-20-D	34	4,3	127	37	43
22	VG95234KB22	CA121004-8	CA121004-78	CA121004-128	CA121004-168	VG95234KC22	CAB80-22-D	40	4,3	127	37	47
24	VG95234KB24	CA121004-9	CA121004-79	CA121004-129	CA121004-169	VG95234KC24	CAB80-24-D	43,5	4,3	127	37	53
28	VG95234KB28	CA121004-10	CA121004-80	CA121004-130	CA121004-170	VG95234KC28	CAB80-28-D	49,5	5,5	169	37	63
32	VG95234KB32	CA121004-11	CA121004-81	CA121004-131	CA121004-171	VG95234KC32	CAB80-32-D	56	5,5	169	37	75
38	VG95234KB36	CA121004-12	CA121004-82	CA121004-132	CA121004-172	VG95234KC36	CAB80-36-D	62,5	5,5	169	37	88

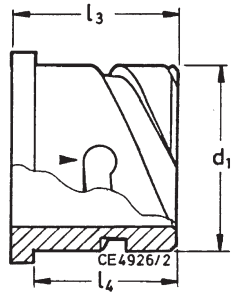
For plating information A66, A232, A233, A240. Please see page 12
If on CAB 80 another plating is desired please add the relevantMod as indicated on page 12

Dummy Receptacles

Front panel mounting (rear side open)

VG95234 Style BOD (Flange with through-holes)
CA3105-B

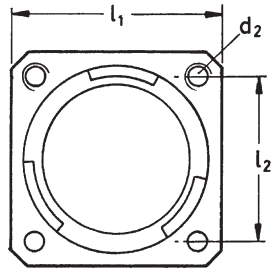


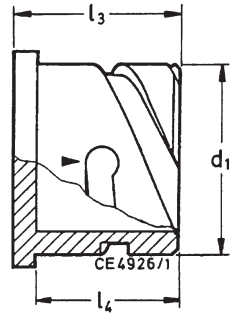


Shell size	VG95234 Part no.	Cannon Part no.	d_1 –0,15	d_2 ±0,2	l_1 ±0,3	l_2 ±0,1	l_3 max.	l_4 +0,3
10SL	VG95234BOD10SL	CA3105E10SL-B	18,2	3,2	25,4	18,2	17,5	14,2
12S	–	CA3105E12S-B	21,4	3,2	28,0	20,6	18,0	14,2
14S	VG95234BOD14S	CA3105E14S-B	24,6	3,2	30,0	23,0	18,0	14,2
16S	VG95234BOD16S	CA3105E16S-B	27,4	3,2	32,5	24,6	18,0	14,2
16	VG95234BOD16	CA3105E16-B	27,4	3,2	32,5	24,6	23,5	19,0
18	VG95234BOD18	CA3105E18-B	30,8	3,2	35,0	27,0	23,5	19,0
20	VG95234BOD20	CA3105E20-B	34,2	3,2	38,0	29,4	23,5	19,0
22	VG95234BOD22	CA3105E22-B	37,4	3,2	41,0	31,8	23,5	19,0
24	VG95234BOD24	CA3105E24-B	40,9	3,7	44,5	34,9	25,5	20,6
28	VG95234BOD28	CA3105E28-B	46,7	3,7	50,8	39,7	25,5	20,6
32	VG95234BOD32	CA3105E32-B	53,4	4,3	57,0	44,5	27,0	22,2
36	VG95234BOD36	CA3105E36-B	59,6	4,3	63,5	49,2	27,0	22,2

Dummy Receptacles

Rear panel mounting (rear side closed)





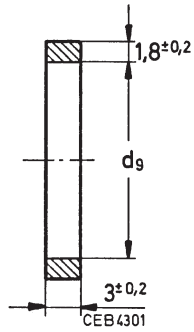
Shell size	CA3105E-B Cannon Part no. with thread Style A	CA3105E-B-05 Cannon Part no. with through holes Style B	d_1	l_1 ±0,25	l_2 ±0,3	l_3	l_4 +0,3	Style A d_2	Style B d_2±0,2
10SL	248-8513-000	248-8501-000	18,2	25,4	18,2	21,1	18,3	M4	3,2
12S	248-8514-000	248-8502-000	21,4	28,0	20,6	21,5	18,3	M4	3,2
14S	248-8515-000	248-8503-000	24,6	30,0	23,0	21,5	18,3	M4	3,2
16S	248-8516-000	248-8504-000	27,4	32,5	24,6	21,5	18,3	M4	3,2
16	248-8517-000	248-8505-000	27,4	32,5	24,6	24,8	21,6	M4	3,2
18	248-8518-000	248-8506-000	30,8	35,0	27,0	27,2	23,15	M4	3,2
20s	248-8519-000	248-8507-000	34,2	38,0	29,4	27,2	23,15	M4	3,2
22	248-8520-000	248-8508-000	37,4	41,0	31,8	27,2	23,15	M4	3,2
24	248-8521-000	248-8509-000	40,9	44,5	34,9	27,2	23,15	M4	3,7
28	248-8522-000	248-8510-000	46,7	50,8	39,7	28,2	24,15	M5	3,7
32	248-8523-000	248-8511-000	53,4	57,0	44,5	28,2	24,15	M5	4,4
36	248-8524-000	248-8512-000	59,6	63,5	49,2	28,2	24,15	M5	4,4

Dimensions shown in mm
Specifications and dimensions subject to change

Sealing Rings

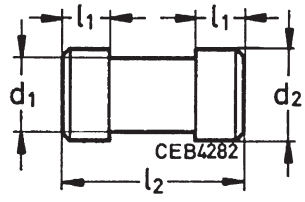
for use on the barrel of the plug

Size	Part no.	d_9
10SL	980-8550-000	9,0
12S	980-8551-000	11,5
14S	980-8552-000	14,0
16/16S	980-8553-000	17,0
18	980-8554-000	19,5
20	980-8555-000	22,5
22	980-8556-000	25,4
24	980-8557-000	28,5
28	980-8558-000	34,0
32	980-8559-000	40,0
36	980-8560-000	45,0



Wire Hole Fillers

Are needed in case of none occupied contacts. Contacts have to be installed while the wire hole fillers are mounted into the relevant open grommet holes.

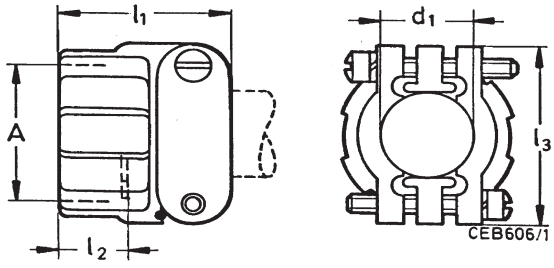


Size	VG95234 Part no.	For contact size metr.	AWG	d_1 ±0,1	d_2 ±0,2	l_1 ±0,1	l_2 ±0,3	Colour	Part no.
20	VG95234B20	10		2,3	3,0	2,4	9,7	red	225-1000-000
16S	VG95234B16S	15S	16S	2,8	3,7	1,5	4,8	nature	225-8510-000
16	VG95234B16	15S/15	16S/16	2,8	3,7	3,2	11,9	blue	225-0017-000
12	VG95234B12	25/25A	12	3,7	4,6	3,2	11,9	yellow	225-0018-000
8	VG95234B08	60/100	8	5	5,8	3,2	11,9	white	225-0019-000
4	VG95234B04	160	4	7,6	8,5	3,2	11,9	green	225-8502-000
0	VG95234B00	500	0	12,8	13,5	3,2	11,9	black	225-8503-000

Cable Clamps

without telescoping bushing

VG95234 Style **KK**



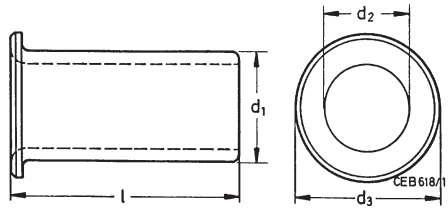
VG95234 Part no.	Former Designation MS	Shell size suitable for connectors acc. MS	A-Thread	l_2 max.	d_1 max.	l_1 max.	l_3 max.	Shell-Weight g
VG95234KK 4	MS3057- 4A*	10SL, 12S,	5/7-24NEF-2B	10,5	7,9	20,8	22,5	13,2
VG95234KK 6	MS3057- 6A*	14S,	3/4-20UNEF-2B	10,5	11,1	22,4	27,4	18,6
VG95234KK 8	MS3057- 8A*	16S, 16	7/8-20UNEF-2B	10,5	14,2	24,0	29,8	23,6
VG95234KK12	MS3057-10A*	18	1-20UNEF-2B	10,5	15,8	24,0	32,2	27,3
VG95234KK12	MS3057-12A*	20, 22	1 3/16-18NEF-2B	10,5	19,0	24,0	37,4	37,2
VG95234KK16	MS3057-16A*	24, 28	1 7/16-18NEF-2B	10,5	23,7	26,4	43,5	56,3
VG95234KK20	MS3057-20A*	32	1 3/4-18NS-2B	12,0	31,8	28,0	51,7	83,9
VG95234KK24	MS3057-24A*	36	2-18NS-2B	13,7	34,6	29,6	57,8	109,8

* WB = Cable clamp with cable telescoping bushing

Telescoping Bushings

Telescoping bushing (used with MS3057A resp. VG95234KK cable clamp) keep dirt, oil and dust out of endbell. Taping or wrapping wires is eliminated since bushing protects wires guided through clamp. Combinations of two bushings may be used to decrease inner diameter for improved sealing.

Material: Polychloroprene



Shell size	VG95234 Part no.	MS Part no.	Cannon Part no.	d_1	d_2	d_3	l	Weight g
10SL, 12S	VG95234KT10SL	MS3420-04	012-8552-000	8,0	6,6	9,9	70,0	4
14S	VG95234KT14S	MS3420-06	012-8554-000	10,9	9,1	12,7	67,0	5
16S, 16	VG95234KT16	MS3420-08	012-0218-000	14,0	11,1	19,0	64,0	6
18	VG95234KT18	MS3420-10	012-0219-000	15,7	14,3	22,0	60,0	4
20, 22	VG95234KT20	MS3420-12	012-0220-000	18,8	15,9	26,9	57,0	7
24	VG95234KT24	MS3420-16	012-8555-000	21,2	16,6	26,9	57,0	13
28	VG95234KT28	MS3420-18	012-8556-000	23,6	21,5	33,3	54,0	13
32	VG95234KT32	MS3420-20	012-8557-000	26,5	21,5	33,3	54,0	26
	–	–	012-8558-000	31,5	26,8	40,4	51,0	26
36	VG95234KT32	MS3420-24	012-8558-000	31,5	26,8	40,4	51,0	30
	–	MS3420-24	012-0223-000	34,7	31,8	46,8	48,0	30

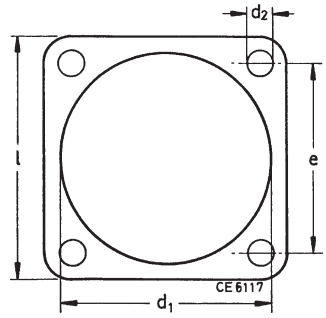
Dimensions shown in mm

Specifications and dimensions subject to change

Gaskets

Thickness of gaskets
made of Alu-Flex "2" = 0,5 mm
made of Polychloropren "1" = 1,0 mm

VG95234 Style DA for front panel mounting
VG95234 Style DH for front panel mounting



For front panel mounting

Size	VG95234 Part no.	Part no. Version Polychloropen[1]	Part no. Version Alu-Flex[2]	l ±0,5	e ±0,2	d_1 +1 front panel	d_2 +0,5	Weight g max.
10SL	VG95234 DA 10SL-X	075-8512-000	075-8512-001	25,4	18,2	15,7	4,2	2
12S		075-8513-000	075-8513-001	28,0	20,6	18,9	4,2	2
14S	VG95234 DA 14S-X	075-8514-000	075-8514-001	30,0	23,0	22,1	4,2	2
16/16S	VG95234 DA 16X	075-8515-000	075-8515-001	32,5	24,6	25,3	4,2	2
18	VG95234 DA 18-X	075-8516-000	075-8516-001	35,0	27,0	28,4	4,2	2
20	VG95234 DA 20-X	075-8517-000	075-8517-001	38,0	29,4	31,6	4,2	2
22	VG95234 DA 22-X	075-8518-000	075-8518-001	41,0	31,8	34,8	4,2	2
24	VG95234 DA 24-X	075-8519-000	075-8519-001	44,5	34,9	38,0	4,2	2
28	VG95234 DA 28-X	075-8520-000	075-8520-001	50,8	39,7	44,3	5,1	2
32	VG95234 DA 32-X	075-8521-000	075-8521-001	57,0	44,5	50,7	5,1	2
36	VG95234 DA 36-X	075-8522-000	075-8522-001	63,5	49,2	57,0	5,1	2

For rear panel mounting

Size	VG95234 Part no.	Part no. Version Polychloropen[1]	Part no. Version Alu-Flex[2]	l ±0,5	e ±0,2	d_1 +1 front panel	d_2 +0,5	Weight g max.
10SL	VG95234 DH 10SL-X	075-8501-000	075-8501-001	25,4	18,2	18,2	4,2	2
12S		075-8502-000	075-8502-001	28,0	20,6	21,4	4,2	2
14S	VG95234 DH 14S-X	075-8503-000	075-8503-001	30,0	23,0	24,6	4,2	2
16/16S	VG95234 DH 16X	075-8504-000	075-8504-001	32,5	24,6	27,4	4,2	2
18	VG95234 DH 18-X	075-8505-000	075-8505-001	35,0	27,0	30,8	4,2	2
20	VG95234 DH 20-X	075-8506-000	075-8506-001	38,0	29,4	34,2	4,2	2
22	VG95234 DH 22-X	075-8507-000	075-8507-001	41,0	31,8	37,4	4,2	2
24	VG95234 DH 24-X	075-8508-000	075-8508-001	44,5	34,9	40,9	4,2	2
28	VG95234 DH 28-X	075-8509-000	075-8509-001	50,8	39,7	46,7	5,1	2
32	VG95234 DH 32-X	075-8510-000	075-8510-001	57,0	44,5	53,4	5,1	2
36	VG95234 DH 36-X	075-8511-000	075-8511-001	63,5	49,2	59,6	5,1	2

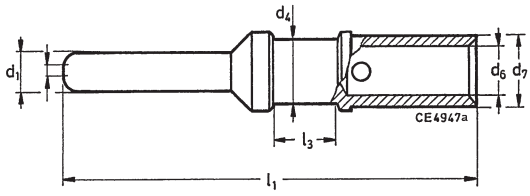
X = insert "1" (electrically not conductive) or "2" (electrically conductive)

Contacts

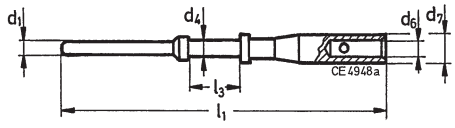
Standard contacts and contacts with reduced termination diameter

Pin contacts

Size 15S/16S, 15/16, 25/12, 60/100/8, 160/4, 500/0



Size 10/20



Finish

A36 – 5 µm silver plated and passivated
A176 – 2 µm nickel plated, min. 0,5 µm gold plated

Contact size	VG95234 Part no.	Wire size mm²	AWG	Part no. with finish Standard: A36 silver plated	Part no. with finish Mod.Code: A176 gold plated	d_1 -0,05	d_4	d_6	d_7	l_1 ±0,15	l_3 ±0,5	Color Code
10/20	VG95234P10	0,5-1,0	20/18	030-8585-000	030-8585-006	1,04	1,5 -0,05	1,5 +0,05	2,4 -0,05	28,4	4,75	–
	VG95234P10-001	0,2-0,4	26/22	030-8585-010	–	1,04	1,5 -0,05	0,9 +0,05	2,4 -0,05	28,4	4,75	blue
15S/16S	VG95234P15S	0,75-1,5	18/16	030-8586-000	030-8586-006	1,6	1,75 -0,1	1,75 +0,08	2,75 -0,05	27,4	3,85	–
	VG95234P15S-002	0,3-0,6	22/20	330-8744-000	330-8744-006	1,6	1,75 -0,1	1,2 +0,1	2,75 -0,05	27,4	3,85	red
	VG95234P15S-001	0,14-0,38	22/26	030-8586-010	–	1,6	1,75 -0,1	0,9 +0,05	2,75 -0,05	27,4	3,85	blue
15/16	VG95234P15	0,75-1,5	18/16	030-8587-000	030-8587-006	1,6	1,75 -0,1	1,75 +0,08	2,75 -0,05	31,4	7,9	–
	VG95234P15-002	0,3-0,6	22/20	330-8659-000	330-8659-006	1,6	1,75 -0,1	1,2 +0,1	2,75 -0,05	31,4	7,9	red
	VG95234P15-001	0,14-0,38	22/26	030-8587-030	030-8587-036	1,6	1,75 -0,1	0,9 +0,05	2,75 -0,05	31,4	7,9	blue
25/12	VG95234P25	2,0-3,0	14/12	030-8588-000	030-8588-006	2,4	3,3 -0,15	2,5 +0,1	3,8 -0,1	37,0	7,9	–
	VG95234P25-001	0,75-1,5	18/16	030-8588-010	030-8588-016	2,4	3,3 -0,15	1,75 +0,08	3,4 -0,1	37,0	7,9	black
		4,0	–	030-8588-054	–	2,4	3,3 -0,15	2,8 +0,1	3,8 -0,1	37,0	7,9	
60/100/8	VG95234P8	–	8	030-8612-000	030-8612-006	3,6	6,25 -0,15	4,55 +0,1	6,8 -0,1	39,6	6,35	–
	VG95234P60	6,0	10	030-8589-000	–	3,6	6,25 -0,15	3,5 +0,1	6,8 -0,1	39,6	6,35	yellow
	VG95234P100	10,0	–	030-8590-000	–	3,6	6,25 -0,15	4,8 +0,1	6,8 -0,1	39,6	6,35	–
	VG95234P60-001	2,0-3,0	14/12	030-8612-010	–	3,6	6,25 -0,15	2,5 +0,05	6,8 -0,1	39,6	6,35	green
160/4	VG95234P4	–	4	030-8613-000	–	5,75	9,55 -0,15	7,1 +0,15	9,55 -0,1	39,6	6,35	–
	VG95234P160	16,0	–	030-8591-000	–	5,75	9,55 -0,15	6,2 +0,15	9,55 -0,1	39,6	6,35	–
		10,0	–	030-8591-020	–	5,75	9,55 -0,15	4,8 +0,1	9,55 -0,1	39,6	6,35	–
	VG95234P160-001	–	6	030-8613-010	–	5,75	9,55 -0,15	5,7 +0,1	9,55 -0,1	39,6	6,35	brown
500/0	VG95234P0	–	0	030-8614-000	–	9,1	13,55 -0,15	11,5 +0,15	14,35 -0,1	41,0	6,35	–
	VG95234P500	50,0	–	030-8592-000	–	9,1	13,55 -0,15	10,7 +0,15	14,35 -0,1	41,0	6,35	–
	VG95234P500-001	25,0	4	030-8614-010	–	9,1	13,55 -0,15	7,6 +0,15	14,35 -0,1	41,0	6,35	white
	VG95234P500-002	35,0	2	030-8614-020	–	9,1	13,55 -0,15	9,1 +0,15	14,35 -0,1	41,0	6,35	grey
		16,0	–	030-8614-030	–	9,1	13,55 -0,15	6,2 +0,15	14,35 -0,1	41,0	6,35	–

Dimensions shown in mm
Specifications and dimensions subject to change

Contacts

Standard contacts and contacts with reduced termination diameter

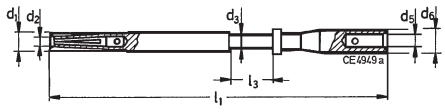
Socket contacts

Finish

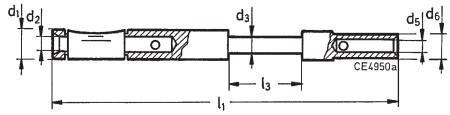
A36 – 5 µm silver plated and passivated

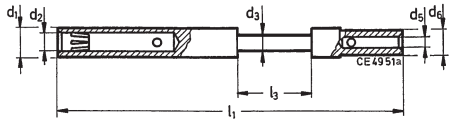
A176 – 2 µm nickel plated, min. 0,5 µm gold plated

Size 10/20

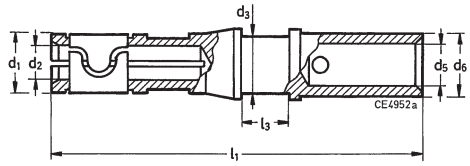


Size 25/12





Size 15S/16S, 15/16



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

Contact size	VG95234 Part no.	Wire size mm²	AWG	Part no. with finish Standard: A36 silver plated	Part no. with finish Mod.Code A176 gold plated	d_1	d_2 +0,05	d_3	d_5	d_6	l_1 ±0,2	l_3 ±0,1	Color Code
10/20	VG95234S10	0,5-1,0	20/18	031-8554-000	031-8554-006	2,0 -0,1	1,07	1,5 -0,05	1,5 +0,05	2,4 -0,05	36,8±0,3	4,75	–
	VG95234S10-001	0,2-0,4	26/22	031-8554-010	–	2,0 -0,1	1,07	1,5 -0,05	0,9 +0,05	2,4 -0,05	36,8±0,3	4,75	blue
15S/16S	VG95234S15S	0,75-1,5	18/16	031-8555-110	031-8555-115	3,2 -0,15	1,65	1,75 -0,1	1,75 +0,08	2,75 -0,05	29,1	3,9	–
	VG95234S15S-002	0,3-0,6	22/20	031-8688-110	031-8688-115	3,2 -0,15	1,65	1,75 -0,1	1,20 +0,1	2,75 -0,05	29,1	3,9	red
	VG95234S15S-001	0,14-0,38	22/26	031-8555-130	–	3,2 -0,15	1,65	1,75 -0,1	0,90 +0,05	2,75 -0,05	29,1	3,9	blue
15/16	VG95234S15	0,75-1,5	18/16	031-8556-110	031-8556-115	3,2 -0,15	1,65	1,75 -0,1	1,75 +0,08	2,75 -0,05	37,8	7,9	–
	VG95234S15-002	0,3-0,6	22/20	031-8639-120	031-8639-115	3,2 -0,15	1,65	1,75 -0,1	1,2 +0,1	2,75 -0,05	37,8	7,9	red
	VG95234S15-001	0,14-0,38	22/26	031-8556-130	–	3,2 -0,15	1,65	1,75 -0,1	0,9 +0,05	2,75 -0,05	37,8	7,9	blue
25/12	VG95234S25	2,0-3,0	14/12	031-8557-000	031-8557-006	4,8 -0,1	2,45	3,3 -0,1	2,5 +0,1	3,8 -0,1	37,0	7,9	–
	VG95234S25-001	0,75-1,5	18/16	031-8557-020	031-8557-026	4,8 -0,1	2,45	3,3 -0,1	1,75 +0,08	3,4 -0,1	37,0	7,9	black
		4,0	–	031-8557-010	–	4,8 -0,1	2,45	3,3 -0,1	2,8 +0,1	3,8 -0,1	37,0	7,9	–
		0,3–0,6	22/20	031-8557-040	–	4,8 -0,1	2,45	3,3 -0,1	1,2 +0,1	2,75 -0,1	37,0	7,9	–
60/100/8	VG95234S8	–	8	031-8519-000	031-8519-006	6,5 -0,2	3,65	6,25 -0,2	4,55 +0,1	6,8 -0,1	40,1	6,35	–
	VG95234S60	6,0	10	031-8558-000	–	6,5 -0,2	3,65	6,25 -0,2	3,5 +0,1	6,8 -0,1	40,1	6,35	yellow
	VG95234S100	10,0	–	031-8559-000	–	6,5 -0,2	3,65	6,25 -0,2	4,8 +0,1	6,8 -0,1	40,1	6,35	–
	VG95234S60-001	2,0-3,0	14/12	031-8519-010	–	6,5 -0,2	3,65	6,25 -0,2	2,5 +0,05	6,8 -0,1	40,1	6,35	green
160/4	VG95234S4	–	4	031-8520-000	–	8,6 -0,2	5,8	9,55 -0,2	7,1 +0,15	9,55 -0,1	40,1	6,35	–
	VG95234S160	16,0	–	031-8560-000	–	8,6 -0,2	5,8	9,55 -0,2	6,2 +0,15	9,55 -0,1	40,1	6,35	–
		10,0	–	031-8560-020	–	8,6 -0,2	5,8	9,55 -0,2	4,8 +0,1	9,55 -0,1	40,1	6,35	–
	VG95234S160-001	–	6	031-8520-010	–	8,6 -0,2	5,8	9,55 -0,2	5,7 +0,15	9,55 -0,1	40,1	6,35	brown
500/0	VG95234S0	–	0	031-8521-000	–	13,2 -0,2	9,15	13,55 -0,2	11,5 +0,15	14,35 -0,1	41,6	6,35	–
	VG95234S500	50,0	–	031-8561-000	–	13,2 -0,2	9,15	13,55 -0,2	10,7 +0,15	14,35 -0,1	41,6	6,35	–
	VG95234S500-001	25,0	4	031-8521-010	–	13,2 -0,2	9,15	13,55 -0,2	7,6 +0,15	14,35 -0,1	41,6	6,35	white
	VG95234S500-002	35,0	2	031-8521-020	–	13,2 -0,2	9,15	13,55 -0,2	9,1 +0,15	14,35 -0,1	41,6	6,35	grey
		16,0	–	031-8521-030	–	13,2 -0,2	9,15	13,55 -0,2	6,2 +0,15	14,35 -0,1	41,6	6,35	–

Tools

For pin and socket contacts according VG95234 and for Cannon contacts with reduced coupling dimensions.

Contact Size		Wire size mm²	AWG	Hand Crimp Tools	Order Reference	Crimp Locator	Order Reference
10		0,5-1,0	20/18			600325 (mod.TH 452)	121586-0034
		0,2-0,4	26/22				
Pin	15S/16S	0,75-1,5	18/16				
		0,3-0,6	22/20				
		0,14-0,38	22/26				
Socket	15S/16S	0,750-1,5	18/16	M22520-1-01	995-0001-585	600324 (mod.TH 452)	121586-0033
		0,3-0,6	22/20				
		0,14-0,38	22/26				
15/16		0,75-1,5	18/16			TH 452	995-0002-052
		0,3-0,6	22/20				
		0,14-0,38	22/26				
25/12		2,0-3,0	14/12				
		0,75-1,5	18/16				
		4					
				Hydraulic Handpump	**Order Number**	**Electro Hydraulic Tool**	**Order Number**
60/100/8		6 2,0-3,0	8 10 14/12	HPW400U-ITT	121586-5257	HP400EL-ITT	121586-5253
160/4		16 10	4 6				
500/0		50 25 35 16	0 - 4 2 -				

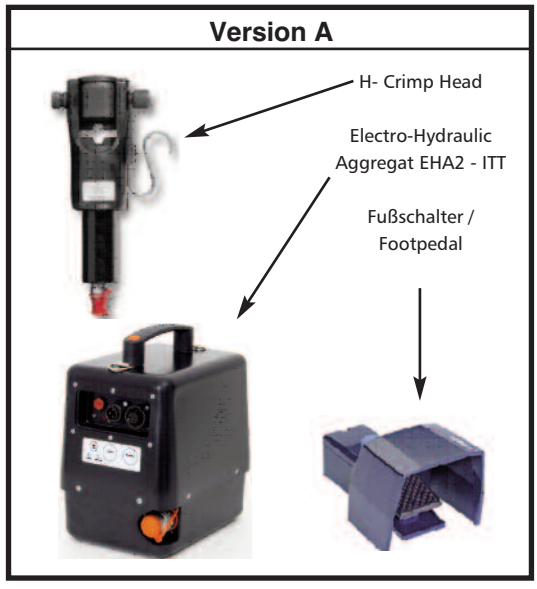
Crimp Contacts

Connectors of series CA-COM and CA-COM-B are also available with crimp contacts for AWG wire sizes. In order to wire, insert and extract these contacts the tools mentioned on this page are needed. All tools have to be ordered separately.

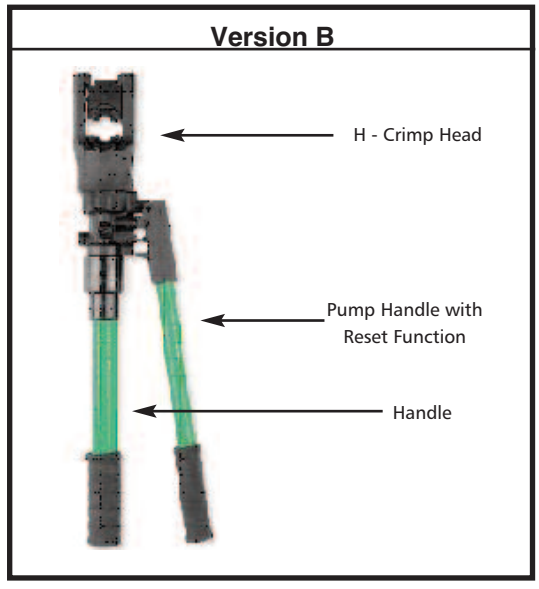
Insertion Tools		Insertion Pliers		Extraction Tools		Guiding Pins for Socket Contacts
Part No.	Order Reference	Part No.	Order Reference	Part No.	Order Reference	
CIT 20	121086-3009	CIT-F80-20	121086-0098	CET-F80-20	121086-0082	
CIT 16	121086-3008	CIT-F80-16	121086-0097	CET-F80-16	121086-0081	27977-16T50
CIT 12	121086-3007	CIT-F80-12	121086-0096	CET-F80-12	121086-0080	27977-12T8
CIT 8	121086-0095			CET-8	121086-0079	
CIT 4	121086-0094			CET-4	121086-0078	
CIT 0	121086-0093			CET-0	121086-0077	

Dimensions shown in mm
Specifications and dimensions subject to change

Basic - Hydraulic - Electrically driven tool



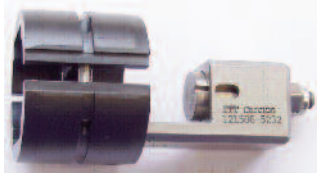
Basic - Hydraulic - Manual Operated tool



Version	Description	Marking	Part Number
A	Electro-Hydraulic - Aggregat with footpedal	HP400EL-ITT	121586-5253
B	Manually operated Hydraulic handtool	HPW400U-ITT	121586-5257

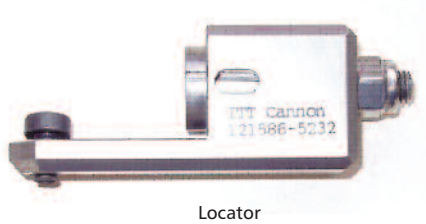
Crimp Dies

Product Line	Contact Size	Part Number	Hex. Diameter	Stamped label	Cable Size	
					AWG	mm^2
MS/CA VG 95234	60/100/8	121586-5231	5,20	01	8	6/10
	160/4	121586-5230	7,25	02	4	16
	500/0	121586-5229	11,40	03	0	50
Locator	MS / CA	121586-5232				



Crimp die with locator

Crimp die



Locator

Notes

1. For large series production, semi-automatic crimp machine Type HACS-IV-MSXX upon request
2. For insertion and extraction of the contacts and for connector assembly, see Assembly Instructions MIL-C-5015/VG95234
3. Standard contacts acc. to MIL-C-5015/VG95234

* Datasheet available upon request

Notes

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Product Safety Information

THIS NOTE MUST BE READ IN CONJUNCTION WITH THE PRODUCT DATA SHEET/CATALOG. FAILURE TO OBSERVE THE ADVICE IN THIS INFORMATION SHEET AND THE OPERATING CONDITIONS SPECIFIED IN THE PRODUCT DATA SHEET/ CATALOG COULD RESULT IN HAZARDOUS SITUATIONS.

1. MATERIAL CONTENT AND PHYSICAL FORM

Electrical connectors do not usually contain hazardous materials. They contain conducting and non-conducting materials and can be divided into two groups.

a) Printed circuit types and low cost audio types which employ all plastic insulators and casings.

b) Rugged, Fire Barrier and High Reliability types with metal casings and either natural rubber, synthetic rubber, plastic or glass insulating materials. Contact materials vary with type of connector and also application and are usually manufactured from either: Copper, copper alloys, nickel, alumel, chromel or steel. In special applications, other alloys may be specified.

2. FIRE CHARACTERISTICS AND ELECTRIC SHOCK HAZARD

There is no fire hazard when the connector is correctly wired and used within the specified parameters. Incorrect wiring or assembly of the connector or careless use of metal tools or conductive fluids, or transit damage to any of the component parts may cause electric shock or burns. Live circuits must not be broken by separating mated connectors as this may cause arcing, ionization and burning. Heat dissipation is greater at maximum resistance in a circuit. Hot spots may occur when resistance is raised locally by damage, e.g. cracked or deformed contacts, broken strands of wire. Local overheating may also result from the use of the incorrect application tools or from poor quality soldering or slack screw terminals. Overheating may occur if the ratings in the product Data Sheet/Catalog are exceeded and can cause breakdown of insulation and hence electric shock. If heating is allowed to continue it intensifies by further increasing the local resistance through loss of temper of spring contacts, formation of oxide film on contacts and wires and leakage currents through carbonization of insulation and tracking paths. Fire can then result in the presence of combustible materials and this may release noxious fumes. Overheating may not be visually apparent. Burns may result from touching overheated components.

3. HANDLING

Care must be taken to avoid damage to any component parts of electrical connectors during installation and use. Although there are normally no sharp edges, care must be taken when handling certain components to avoid injury to fingers. Electrical connectors may be damaged in transit to the customers, and damage may result in creation of hazards. Products should therefore be examined prior to installation/use and rejected if found to be damaged.

4. DISPOSAL

Incineration of certain materials may release noxious or even toxic fumes.

5. APPLICATION

Connectors with exposed contacts should not be selected for use on the current supply side of an electrical circuit, because an electric shock could result from touching exposed contacts on an unmated connector. Voltages in excess of 30 V ac or 42.5 V dc are potentially hazardous and care should be taken to ensure that such voltages cannot be transmitted in any way to exposed metal parts of the connector body. The connector and wiring should be checked, before making live, to have no damage to metal parts or insulators, no solder blobs, loose strands, conducting lubricants, swarf, or any other undesired conducting particles. Circuit resistance and continuity check should be made to make certain that there are no high resistance joints or spurious conducting paths. Always use the correct application tools as specified in the Data Sheet/Catalog. Do not permit untrained personnel to wire, assemble or tamper with connectors. For operation voltage please see appropriate national regulations.

IMPORTANT GENERAL INFORMATION

(i) Air and creepage paths/Operating voltage. The admissible operating voltages depend on the individual applications and the valid national and other applicable safety regulations.

For this reason the air and creepage path data are only reference values. Observe reduction of air and creepage paths due to PC board and/or harnessing.

(ii) Temperature

All information given are temperature limits. The operation temperature depends on the individual application.

(iii) Other important information

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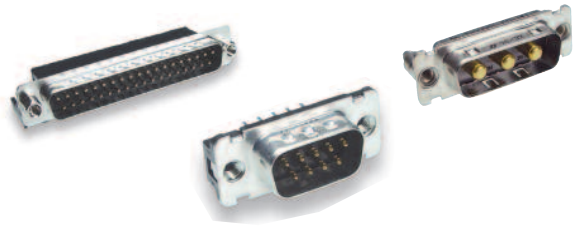
Circular/Filter/Hermetic Connectors

As a world leader in circular, filter, and hermetic connectors, ITT can leverage its design and manufacturing expertise to fit virtually any application. Our expertise includes fast positive mating for a wide range of military applications, as well as numerous sizes and contact configurations for various harsh environments. ITT can meet numerous specs, including NATO and MIL standards.

www.ittcannon.com/circulars • www.ittcannon.com/filter • www.ittcannon.com/hermetics

D-Subminiature Connectors



Cannon invented D-sub connectors in 1952. Our family of D-Subs now includes combinations of signal, power and RF, as well as severe service sealed connectors. Cannon D-Subs are available with an extensive line of backshells and accessories and are one of the most economical shielded connector solutions available. ITT D-Sub connectors are qualified to the MIL-DTL-24308 specification.

www.ittcannon.com/dsubs

Fiber Optic Connectors and Cable Assemblies

Cannon fiber optic solutions provide an excellent performance/cost value. Performance may be tailored to the end system, with our use of superior materials and bonding agents providing highly effective solutions. Our wide variety of products includes fiber optic hybrid contacts, multi-channel, rack and panel, and hi-rel assemblies, including MIL and ARINC standard solutions.

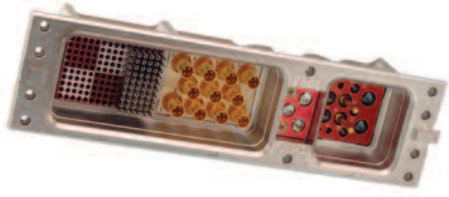
www.ittcannon.com/fiberoptics

Microminiature Connectors

Developed first by Cannon in the 1960's, Interconnect Solutions microminiature connectors offer high performance and reliability with exceptional versatility. Available in rectangular, circular, and strip configurations for countless applications, many of our connectors meet or exceed applicable requirements of the MIL-DTL-83513 specification.

www.ittcannon.com/micro

Rack and Panel Connectors



Initially pioneered by Cannon during the 1930s, Interconnect Solutions is the world leader in rack and panel connectors, offering unmatched variety of shell configurations and insert arrangements, materials, plating, and contact options. Many of our standard and custom designs meet the stringent requirements of ARINC 600, ARINC 404 (MIL-C-81659), and MIL-DTL-83733 standards.

www.ittcannon.com/rackandpanel

RF Connectors

ITT Interconnect Solutions has been providing interconnect products to the Microwave and RF industry since 1963 (formerly The Sealectro Corporation). The RF 50 & 75 Ohm product lines cover UHF band through Ku band requirements. These connectors and cable assemblies are available with a thread type, snap type, bayonet type or slide on coupling method. The frequencies range from DC to 18+ GHz.

www.ittcannon.com/RF50 • www.ittcannon.com/RF75

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