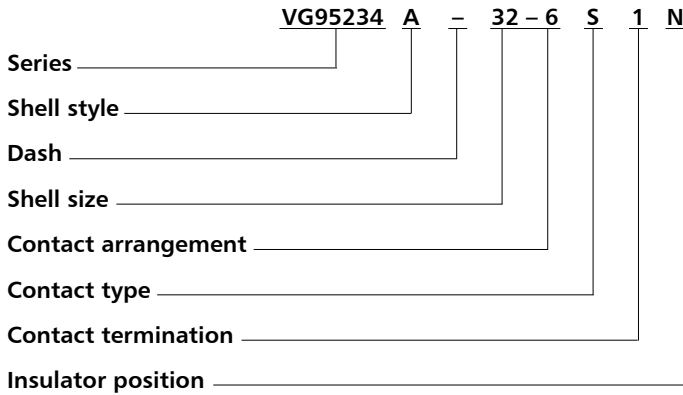


# Cannon VG/CA-Bayonet

## How to order

VG Order reference



## Explanation

Series	VG95234
Shell style	J1, J2, N1, N2, S1, U1, U2 – wall mounting receptacle F – cable connection plug A, B1, B2 – box mounting receptacle C1, C2 – bulkhead receptacle D, G, H, L, M, R1, T – straight plug E, E1, K – plug 90°
Shell size	10SL, 14S, 16S, 16, 18, 20, 22, 24, 28, 32 and 36
Contact arrangement	see page 13
Contact type	P – Pin contact S – Socket contact
Contact termination	without identification – contacts for metric wire sizes identification 1* – contact for AWG wire sizes
Insulator position	see page 31

## Accessories acc. to VG

Dummy receptacles	VG95234 BOD
Gaskets, front mount	VG95234 DA
Gaskets, rear mount	VG95234 DH
Protecting caps	VG95234 KR
Protecting caps	VG95234 KB
Cabel caps	VG95234 KK
Bushing	VG95234 KT

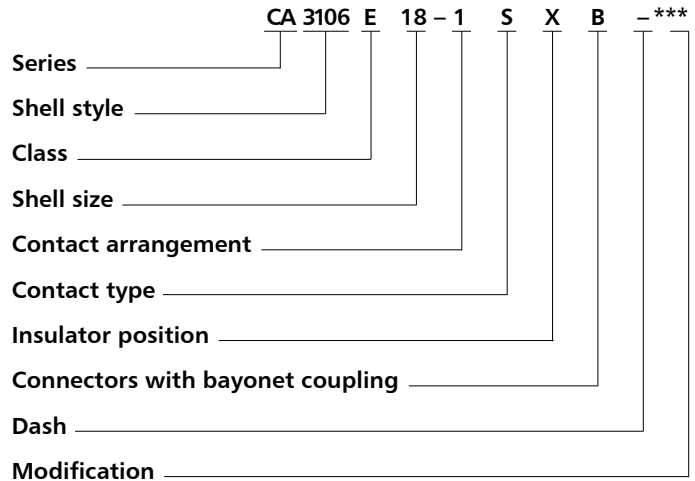
\* Only valid for layout within the VG95234.

Layout list permitting identification 1:

Layout	Page Number
22-2	18
24-9	19
24-11	19
24-12	20
28-22	22
32-1	22
32-6	23
36-3	24
36-5	24
36-6	24

## How to order

Cannon Order reference



## Explanation

Series	CA – Circular connectors with bayonet coupling
Shell style	3100 – Wall mounting receptacle 3101 – Cable connecting plug 3102 – Box mounting receptacle 3105 – Dummy receptacle for front and panel mounting 3106 – Plug, straight 3108 – Plug, 90° TBF – Bulkhead receptacle
Class	E – environmental with resilient insulators and endbell with clamp and bushing F – environmental with resilient insulator and endbell for flex tube R – environmental with resilient insulator and shortened light-weight endbell without cable clamp PG – PG gland adaptor environmental ME – Metric gland adaptor environmental*
Shell size	10SL, 12S, 14S, 16S, 16, 18, 20, 22, 24, 28, 32 and 36
Contact arrangement	see page 13
Contact type	P – Pin S – Socket PS – one side pin, one side socket (only for TBF)
Insulator position	Besides the normal position further insulator positions are possible for Cannon connectors (see page 31) to prevent mismatching. Polarization is achieved by turning the pin contact insulator clockwise towards the shell, the socket insulator, however, in opposite clockwise direction. This information refers to the mating side of the contact insulator. For special insert alternations of standard inserts see page 28.
Modification	see next page

# Cannon VG/CA-Bayonet

<b>Modification</b>	01	– metric crimp contacts
(only for CA.....-B)	02	– adapter for heat shrink boots AWG crimp contacts, CA3102
	03	– adapter for heat shrink boots, metric contacts
	04	– rear mount, thread in flange, metric crimp contacts
	05	– rear mount, through holes in flange, (CA3100, CA 3102, rear mounting CA 20, TBF)
	06	– shrink boot adapter, solder pot contacts
	08	– angular endbell, through holes in flange (for CA3100 only)
	09	– angular endbell, through holes in flange (for CA3100 only)
	13	– shielded version, solder contacts
	14	– shielded version, metric crimp con- tacts
	15	– shielded version, AWG crimp contacts
	32	– shielded endbell, reduced cable entry diameter
	41	– shielded version, grounding spring on barrel
	109	– F80 contacts, rear mount, thread holes in flange (for CA3102 only)
	111	– rear mount, thread holes (CA3102 only), solder contacts
	F80	– AWG crimp contacts
	A176	– gold plated contact, see pages 58-59
	A232	– Zinc cobalt black plating
	A233	– Zinc cobalt green plating
	A240	– Zinc Nickel plating, blue iridescent
	F42	– less grommet and backshell
	F0	– less contacts, contacts to be ordered separately, see pages 58-61

## Important!

When connectors are requested according to VG95234 modification, e.g. with another finish, with other contact arrangements and solder contacts, they are to be ordered only with the ITT Cannon order reference.

Connectors acc. to VG95234 are generally available with insert positions X and Y only.

VG order reference with modification is not possible.

## With Spring Washer and Friction Ring

These connectors feature a spring washer and a friction ring under the coupling nut.

Advantage	Vibrations are being compensated
Ordering example	according performance class insert „W“ after Class E, F or R
CA06EW	– connector with spring washer, endbell with cable and bushing
CA06FW	– connector with spring washer, endbell for flex tube
CA06RW	– connector with spring washer and short endbell
CA08EW/FW	– connector with spring washer and 90° endbell

The connectors acc. to **VG95234** are generally delivered with **spring washer**.

## Other Shell Styles

CA3100E-B-02/03/06	– adapter for heat shrink boot
CA3100F-B-08/09	– 90° endbell for flex tube
CA3100E-B-08/09	– 90° endbell, cable clamp and bushing
CA3100F-B-08/09	– 90° endbell flex tube
CA02L-B	– receptacle with pcb solder contacts
CA20L-B	– rear mount receptacle with pcb solder contacts
CA06EH	– H stands for FKM insulator and sealing material. FKM is a high temperature material good for up to 200°C/392°F plus an extraordinary performance against oils of the various nature. (The full range of end bell styles can be utilized).
CA07A-B	– jam nut receptacle
CA00EP-B-TL	– TINEL-LOCK adapter, contact factory
CA06EW-B-TLXX	– TINEL-LOCK adapter, contact factory

















# Cannon VG/CA-Bayonet

## Contact Arrangements

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts pin socket	
		Contact size VG	CA		N	V	W	X	Y	Z				
	3	10SL-3 15S	10SL-3 16S	A	0	-	-	-	-	-	-	-	6	9
	2	10SL-4 15S	10SL-4 16S	A	0	-	-	-	-	-	-	-	4	6
♦	2	-	12S-3 16S	A	0	100	70	145	215	290	-	-	4	6
	1	-	12S-4 16S	D	0	-	-	-	-	-	-	-	3	4,5
	4	-	12SA10 16S	Instr.	0	-	-	-	-	-	3 8	110 250	6	8
	3	-	14S-1 16S	A	0	-	-	-	-	-	-	-	6	9
	4	-	14S-2 16S	Instr.	0	-	-	120	240	-	-	-	7	11
	1	-	14S-4 16S	D	0	-	-	-	-	-	-	-	4	7
	5	-	14S-5 16S	Instr.	0	-	-	110	-	-	-	-	9	13
	6	14S-6 15S	14S-6 16S	Instr.	0	-	-	-	-	-	-	-	11	15
♦	3	-	14S-7 16S	A	0	-	90	180	270	-	-	-	6	9
	2	-	14S-9 16S	Instr.	0	-	70	145	215	290	-	-	5	18
	7	-	14SA7 16S	Instr.	0	-	-	-	-	-	-	-	10	15
♦	7	16S-1 15S	16S-1 16S	A	0	-	80	-	-	280	-	-	14	19
	2	16S-4 15S	16S-4 16S	D	0	-	35	110	250	325	-	-	7	10
♦	3	-	16S-5 16S	A	0	-	70	145	215	290	-	-	8	12
	5	-	16S-8 16S	A	0	-	-	170	265	-	-	-	10	15

♦ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts socket	
		Contact size VG	CA		N	V	W	X	Y	Z				
	3 2 1	16-7 15 100	16-7 16 8	A	0	-	80	110	250	280	-	-	16	25
	4 2 2	-	16-9 12 16	A	0	-	35	110	250	325	-	-	13	20
◆ 	3	16-10 25	16-10 12	A	0	-	90	180	270	-	-	-	17	24
	2	-	16-11 12	A	0	-	35	110	250	325	-	-	11	17
	1	16-12 160	16-12 4	A	0	-	-	-	-	-	-	-	24	28
	2	16A11 25 (socket) 25A (pin) short	16A11 12	A	0	-	35	110	250	325	-	-	11	17
◆ 	10	18-1 15	18-1 16	A (B, C, F, G) Instr. (all others)	0	-	70	145	215*	290	-	-	24	37
	2	-	18-3 12	D	0	-	35	110	250	325	-	-	13	22
	4	-	18-4 16	D	0	-	35	110	250	325	-	-	19	30
	3 2 1	-	18-5 12 16	D	0	-	80	110	250	280	-	-	15	25
	1	-	18-6 4	D	0	-	-	-	-	-	-	-	24	32
	1	-	18-7 8	D	0	-	-	-	-	-	-	-	16	25
	8 1 7	-	18-8 12 16	A	0	-	70	-	-	290	-	-	18	30
	7 2 5	8-9 25 5	18-9 12 16	Instr.	0	-	80	110	250	280	-	-	18	30
	4	-	18-10 12	A	0	-	-	120	240	-	-	-	13	22
	5	18-11 25	18-11 12	A	0	-	-	170	265	-	-	-	31	40

\*No good coding; mates with "0" positive easily.















◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.



Dimensions shown in mm  
Specifications and dimensions subject to change








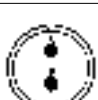



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# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts	
		Contact size VG	CA		N	V	W	X	Y	Z			pin	socket
	6	-	18-12 16	A	0	-	80	-	-	280	-	-	15	25
◆ 	4 1 3	18-13 60 25	18-13 8 12	A	0	-	80	110	250	280	-	-	15	24
	7 2 5	-	18-17 12 16	Instr.	0	-	-	-	-	-	12	100	15	23
	10	-	18-19 16	A	0	-	-	120	240	-	-	-	19	31
	5	-	18-20 16	A	0	-	90	180	270	-	-	-	15	25
	3	-	18-21 12	A	0	-	-	-	-	-	-	-	17	28
	3	-	18-22 16	D	0	-	70	145	215	290	-	-	10	20
	1	20-2 500	20-2 0	D	0	-	-	-	-	-	-	-	46	55
	3	-	20-3 12	D	0	-	70	145	215	290	-	-	28	42
	4	-	20-4 12	D	0	-	45	110	250	-	-	250 (20A37)	24	40
	3	-	20-6 16	D	0	-	-	-	-	-	-	-	22	36
	8	-	20-7 16	A (C, D, E, F) D (A, B, H, G)	0	-	80	110	250	280	-	-	28	42
	6 2 4	20-8 100 15	20-8 8 16	Instr.	0	-	80	110	250	280	-	-	37	49
	13	-	20-11 16	Instr.	0	-	-	-	-	-	-	-	25	41

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts	
		Contact size VG	CA		N	V	W	X	Y	Z			pin	socket
	5 3 2	–	20-14 12 8	A	0	–	80	110	250	280	–	–	22	39
	7	–	20-15 12	A	0	–	80	–	–	280	–	–	27	46
	9 2 7	–	20-16 12 16	A	0	–	80	110	250	280	–	–	19	32
	6 5 1	–	20-17 12 16	A	0	–	90	180	270	–	–	–	20	33
	9 3 6	–	20-18 12 16	A	–	–	35	110	250	325	–	–	19	32
	3	–	20-19 8	A	0	–	90	180	270	–	–	–	33	46
	6 3 3	–	20-22 8 16	A	–	–	80	110	250	280	–	–	37	49
	2	–	20-23 8	A	–	–	35	110	250	325	–	–	25	35
	4 2 2	–	20-24 8 16	A	0	–	35	110	250	325	–	–	40	53
	14	–	20-27 16	A	0	–	35	110	250	325	–	–	26	42
	17	–	20-29 16	A	0	–	80	–	–	280	–	–	29	47












◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts	
		Contact size VG	CA		N	V	W	X	Y	Z			pin	socket
	11	-	20-33 16	A	0	-	-	-	-	2 3 17	260 110 130	-	23	38
	9	20A9 25	20A9 12	D (J) Instr. (all others)	0	-	-	110	250	-	-	-	21	35
	19	20A48 15	20A48 16	Instr.	0	-	-	80	280	-	-	-	30	50
	2	-	22-1 8	D	0	-	35	110	250	325	-	-	28	42
	3	22-2 8	22-2 8	D	0	-	70	145	215	290	-	-	35	50
	4 2 2	-	22-4 8 12	A	-	-	35	110	250	325	-	-	34	48
	6 2 4	-	22-5 12 16	D	-	-	35	110	250	325	-	-	23	38
	1	-	22-7 0	E	0	-	-	-	-	-	-	-	45	57
	2	-	22-8 12	E	-	-	35	110	250	325	-	-	18	28
	3	-	22-9 12	E	0	-	70	145	215	290	-	-	21	32

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts pin socket	
		Contact size VG	CA		N	V	W	X	Y	Z				
	4	–	22-10 16	E	–	–	35	110	250	325	–	–	17	31
	5 2 3	22-12 100 15	22-12 8 16	D	0	–	80	110	250	280	–	–	28	42
	19	22-14 15	22-14 16	A	0	–	80	–	–	280	–	–	30	50
	6 5 1	–	22-15 12 16	A (A, B, C, E, F) E (D)	0	–	80	110	250	280	–	–	30	50
	9 3 6	–	22-16 12 16	A	0	–	80	110	250	280	–	–	28	45
	14	–	22-19 16	A	0	–	80	110	250	280	–	–	28	47
	9	–	22-20 16	A	0	–	35	110	250	325	–	–	22	39
	3 2 1	–	22-21 16 0	A	0	–	80	110	250	280	–	–	49	58
	4	22-22 100	22-22 8	A	0	–	–	110	250	–	–	–	42	58
	8	–	22-23 12	D (H) A (all others)	0	–	35	–	250	–	–	–	34	54
	9 1 8	22-27 60 15	22-27 8 16	A (A to H) D (J)	0	–	80	–	250	280	–	–	21	34

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.



# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight	
		Contact size VG	CA		N	V	W	X	Y	Z			(g) including contacts pin	socket
	7	-	22-28 12	A	-	-	80	-	-	280	-	-	33	50
	4	22B22 60	-	A	0	-	-	110	250	-	-	-	42	58
	7	-	24-2 12	D	0	-	80	-	-	280	-	-	33	53
	4 1 3	-	24-4 0 16	D	-	-	80	110	250	280	-	-	51	63
	16	-	24-5 16	A	-	-	80	110	250	280	-	-	30	54
	8 8	-	24-6 12	A (B,C,D,E,F)	0	-	80	110	250	280	-	-	32	41
	16 2 14	-	24-7 12 16	A	0	-	80	110	250	280	-	-	45	65
	2	24-9 4	24-9 4	A	0	-	35	110	250	325	-	-	45	60
	7	24-10 100	24-10 8	A	0	-	80	-	-	280	-	-	65	85
	9 3 6	24-11 100/8 25/12	24-11 8 12	A	0	-	35	110	250	325	-	-	55	75

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet








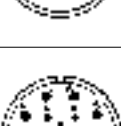
View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts	
		Contact size VG	CA		N	V	W	X	Y	Z			pin	socket
	5 2 3	24-12 4 12	24-12 4 12	A	0	-	80	110	250	280	-	-	60	80
	12	-	24-19 16	A	0	-	-	-	-	-	-	-	28	47
	11 2 9	-	24-20 12 16	D	0	-	80	110	250	280	-	-	40	60
	4	-	24-22 8	D	0	-	45	110	250	-	-	-	44	61
	7	-	24-27 16	E	-	-	80	-	-	280	-	-	21	37
	24	24-28 15	24-28 16	Instr.	0	-	80	110	250	280	-	-	40	65
	12	-	24A24 12	A	-	-	-	-	-	-	2 4 9 12	260 80 280 100	46	71
	28	-	24A28 16	Instr.	-	-	65	146	235	-	-	-	42	75
	19 13 5 1	-	24A51 16 12 8	A	-	-	-	-	-	-	14	30	60	70
	14 12 2	-	28-2 16 12	D	-	-	35	110	250	325	-	-	43	61
	5 2 2 1	-	28-5 4 16 12	D	-	-	35	110	250	325	-	-	60	70

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.



Dimensions shown in mm  
Specifications and dimensions subject to change

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts socket	
		Contact size VG	CA		N	V	W	X	Y	Z			pin	socket
	12 6 6	-	28-9 16 12	D	-	-	80	110	250	280	-	-	46	65
	7 2 2 3	-	28-10 4 8 12	A (= A, B, C, D, E, F) D (= G)	-	-	80	110	250	280	-	-	80	91
	22 4 18	28-11 25 15	28-11 12 16	A	0	-	80	110	250	280	-	-	65	110
	26	-	28-12 16	A	0	-	90	180	270	-	-	-	47	77
	35	-	28-15 16	A	0	-	80	110	250	280	-	-	54	90
	20	-	28-16 16	A (A-L) D (M, N, P) B (R)	0	-	80	110	250	280	-	-	41	68
	10 6 4	-	28-19 16 12	A (= C, E, G, J, K, L) D = A, B B = H, M	-	-	80	110	250	280	-	-	40	58
	14 10 4	28-20 25 15	28-20 12 16	A	0	-	80	110	250	280	-	-	65	110








◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts	
		Contact size VG	CA		N	V	W	X	Y	Z			pin	socket
	37	28-21 15	28-21 16	A	0	-	80	110	250	280	-	-	58	93
	6	28-22 160/4 15/16	28-22 4 16	D	0	-	70	145	215	290	-	-	80	120
All alternating insert position as above are permitted for VG95234 types.														
	12	-	28-51 12	D	-	-	80	135	195	-	-	-	57	77
	9	4 5	28A16 4 16	A (e) Instr. (all others)	0	-	-	-	-	-	2	260	100	135
					-	-	-	-	-	-	3	110		
					-	-	-	-	-	-	8	250		
					-	-	-	-	-	-	9	280		
					-	-	-	-	-	-	12	100		
	43	-	28A51 16	A	0	-	-	-	-	-	3	110	64	107
					-	-	-	-	-	-	4	80		
					-	-	-	-	-	-	8	250		
					-	-	-	-	-	-	9	280		
					-	-	-	-	-	-	12	100		
	28	9 19	28A63 25 15	28A63 12 16	A	0	-	-	100	260	-	-	85	135
	5	2 3	32-1 500/0 25/12	32-1 0 12	E (A) D (all others)	0	-	80	110	250	280	-	130	155
	2		32-5 0	D	0	-	35	110	250	325	-	-	86	114

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight	
		Contact size VG	CA		N	V	W	X	Y	Z			(g) including contacts pin	socket
	23 2 3 2 16	32-6 160/4 60/8 25/12 15/16	32-6 4 8 12 16	A	0	-	80	110	250	280	-	-	130	170
	35 7 28	32-7 25 15	32-7 12 16	Instr. (A, B, U, I.) A (all others)	0	-	80	125	235	280	-	-	110	160
	30 6 24	-	32-8 12 16	A	0	-	80	125	235	280	-	-	105	155
	14 12 2	-	32-9 16 4	D	0	-	80	110	250	280	-	-	79	130
	23 5 18	-	32-13 12 16	D	0	-	80	110	250	280	-	-	95	145
	8 2 6	-	32-15 0 12	D	0	-	35	110	250	325	-	-	140	165
	4	-	32-17 4	D	0	-	45	110	250	-	-	-	80	116




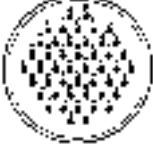

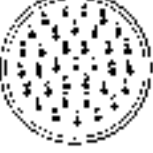
◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts pin socket	
		Contact size VG	CA		N	V	W	X	Y	Z				
	54	-	<b>32A10</b> 16	A	-	-	-	-	-	-	2 3 4 8 9 12	260 110 80 250 280 100	89	132
	47	-	<b>32A47</b> 16	A	-	-	-	-	-	-	2 3 4 8 9 12	260 110 80 250 280 100	73	120
	55		<b>32A55</b> 16	A	-	-	80	110	250	280	-	-	90	134
	61 20 41	<b>32A69</b> 15 10	<b>32A69</b> 16 20	Instr.	0	-	-	110	250	-	-	-	49	84
														Not for through-bulkhead receptacle C1 / C2.
	6 3 3	<b>36-3</b> 500/0 25/12	<b>36-3</b> 0 12	D	0	-	70	145	215	290	-	-	165	200
														All alternating insert position as above are permitted for VG95234 type.
	4	<b>36-5</b> 500/0	<b>36-5</b> 0	A	0	-	-	120	240	-	-	-	152	181
	6 4 2	<b>36-6</b> 4 0	<b>36-6</b> 4 0	A	0	-	35	110	250	325	-	-	155	173

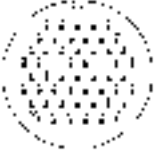


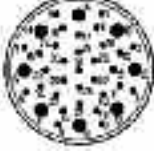
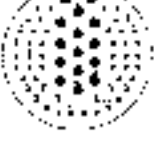
◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts	
		Contact size VG	CA		N	V	W	X	Y	Z			pin	socket
	47 7 40	-	36-7 12 16	A	-	-	80	110	250	280	-	-	92	144
	47 1 46	-	36-8 12 16	A	-	-	80	110	250	280	-	-	80	132
	31 14 14 2 1	-	36-9 16 12 8 4	A	0	-	80	125	235	280	-	-	116	159
	48	36-10 15	36-10 16	A	0	-	80	125	235	280	-	-	79	133
	16 5 5 6	-	36-14 8 12 16	D	0	-	-	-	-	-	-	-	150	230
	35	-	36-15 16	D (m) A (all others)	0	-	60	125	245	305	-	-	70	111

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.

# Cannon VG/CA-Bayonet

View on Mating face of Pin Insulator	No. of Contacts	Contact arrangement		Service rating	Insulator position						Position	Special polarization	Insulator weight (g) including contacts pin socket	
		Contact size VG	CA		N	V	W	X	Y	Z				
	52	-	36A34 16	A	-	-	-	-	-	-	2 3 4 8 9 12 20	260 110 80 250 280 100 220	83	139
	8 4 4	-	36A35 16 0	A	-	-	-	-	-	-	2 3 8 9	260 110 250 280	172	183
	27	-	36A46 12	A	-	-	-	-	-	-	2 3 4 8 9 12	260 110 80 250 280 100	112	154
	39 8 31	-	36A98 8 16	A	0	-	-	110	-	-	-	-	160	140
	65 15 50	-	36A99 16 20*	Instr.	-	-	30	135	-	-	-	-	80	121

\* reduced contact termination 0,3 mm<sup>2</sup>

◆ Attention: for all alternate positions of these contact arrangements a tendency to overmate can be stated. It is within the customer's responsibility to use these insert positions.



# Cannon VG/CA-Bayonet

## Alternate Insert Positions

Indicates location of centerline of key or keyway of shells in fixed normal position. Insert is rotated as shown by arrow and letters.

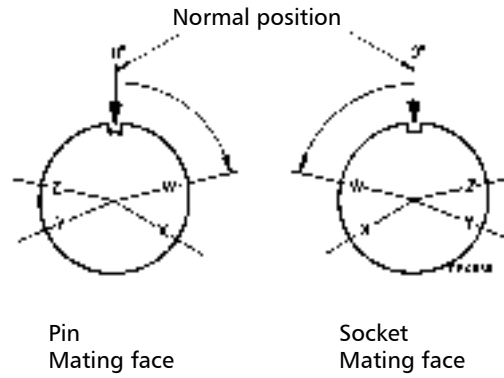
Connectors according to VG95234 are generally available with insert positions X and Y only.

Tolerances:

# 10SL-20:  $\pm 2^\circ$

# 22-36:  $\pm 1,5^\circ$

# 32A69:  $\pm 1^\circ$



# Cannon VG/CA-Bayonet

## Special Insert Alternations

Special insert alternations are marked by positions. The position number indicates the turning of the contact insert in the direction of the polarizing key in view of the mating or termination side of the socket insulator.

Contact arrangement	Position of	Contact arrangement	Polarization
12SA10	3	12SA10	110°
	8	12SA10	250°
18-17	12	18-9	100°
24A24	2	24A24	260°
	4	24A24	80°
	9	24A24	280°
	12	24A24	100°
32-16	12	32-6	100°

Position	Polarization
2	260°
3	110°
4	80°
5	use pos. 3
6	85°
8	250°
9	280°
11	105°
12	100°
13	use pos. 8
14	30°
15	45°
16	120°
17	130°
18	150°
19	195°
20	220°
21	255°
22	290°
23	165°
24	330°
25	235°
26	125°

### Positions

View shows mating side of pin or termination side of socket.



Insert positions are added without hyphen directly behind the contact type.

Example:

CA3106F32A10P[2]-B-01

# Cannon VG/CA-Bayonet

## Contact Arrangements

Contact arrangement	No. of contacts	Contact size					
		0 500	4 160	8 100 60	12 25	16 15	20 10
12S4	1					1	
14S4	1					1	
16-12	1		1				
18-6	1		1				
18-7	1			1			
20-2	1	1					
22-7	1	1					
10SL4	2					2	
14S9	2					2	
16S4	2					2	
16-11	2				2		
16A11	2				2		
18-3	2				2		
20-23	2			2			
22-1	2			2			
22-8	2				2		
24-9	2		2				
32-5	2	2					
10SL3	3					3	
14S1	3					3	
14S7	3					3	
16S5	3					3	
16-7	3			1		2	
16-10	3				3		
18-5	3				2	1	
18-21	3				3		
18-22	3					3	
20-6	3					3	
20-19	3			3			
22-2	3			3			
22-9	3			3			
22-21	3	1				2	
12SA10	4					4	
14S2	4					4	
16-9	4				2	2	
18-4	4					4	
18-10	4				4		
18-13	4			1	3		
20-4	4				4		
20-24	4			2		2	
22-4	4			2	2		
22-10	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					

Contact arrangement	No. of contacts	Contact size					
		0 500	4 160	8 100 60	12 25	16 15	20 10
14S5	5					5	
16S8	5					5	
18-11	5				5		
18-20	5					5	
22-12	5			2		3	
24-12	5		2		3		
28-5	5		2		1	2	
32-1	5	2			3		
14S6	6					6	
18-12	6					6	
20-8	6			2		4	
20-22	6			3		3	
22-5	6				2	4	
22-15	6				5	1	
28-22	6		3			3	
36-3	6	3			3		
36-6	6	2	4				
14SA7	7					7	
16S1	7					7	
18-9	7				2	5	
18-17	7				2	5	
20-15	7				7		
22-28	7				7		
24-2	7				7		
24-10	7			7			
24-27	7					7	
28-10	7		2	2	3		
18-8	8				1	7	
20-7	8					8	
22-23	8				8		
32-15	8	2			6		
36A35	8	4				4	
24-6	8				8		
20-16	9				2	7	
20-18	9				3	6	
20A9	9				9		
22-16	9				3	6	
22-20	9					9	
22-27	9			1		8	
24-11	9			3	6		
28A16	9		4			5	
18-1	10					10	
18-19	10					10	
28-19	10				4	6	
20-33	11					11	
24-20	11				2	9	

Dimensions shown in mm  
Specifications and dimensions subject to change

# Cannon VG/CA-Bayonet

## Contact Arrangements

Contact arrangement	No. of contacts	Contact size					
		0 500	4 160	8 100 60	12 25	16 15	20 10
24-19	12					12	
24A24	12				12		
28-9	12				6	6	
28-51	12				12		
20-11	13					13	
20-27	14					14	
22-19	14					14	
28-2	14				2	12	
28-20	14				10	4	
32-9	14	2				12	
24-5	16					16	
24-7	16				2	14	
36-14	16			5	5	6	
20-29	17					17	
20A48	19					19	
22-14	19					19	
28-16	20					20	
28-11	22				4	18	
32-6	23		2	3	2	16	
32-13	23				5	18	
24-28	24					24	
28-12	26					26	
36A46	27					27	
24A28	28					28	
28A63	28				9	19	
32-8	30				6	24	
36-9	31		1	2	14	14	
28-15	35					35	
32-7	35				7	28	
36-15	35					35	
28-21	37					37	
36A98	39			8		31	

Contact arrangement	No. of contacts	Contact size					
		0 500	4 160	8 100 60	12 25	16 15	20 10
28A51	43					43	
32A47	47					47	
36-7	47				7	40	
36-8	47				1	46	
36-10	48					48	
36A34	52					52	
32A10	54					54	
32A55	55					55	
32A69	61					20	41
36A99	65					15	50