

Cannon



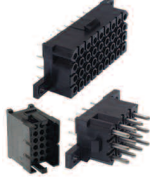


Connector Series

Selection table













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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	○	○	○	○	○	○	○	○
	Military	-	-	-	-	-	-	-	○
	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	-	-	-	-	-	-	○	○
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 mm ²	0,4 - 1,5 mm ²	0,50 - 1,0 mm ²	0,50 - 1,0 mm ²	0,50 - 1,0 mm ²	0,35 - 50 mm ²	0,14 - 2,5 mm ²	0,14 - 4,0 mm ²	0,14 - 50 mm ²
	Power & Signal Layouts	-	-	-	-	-	-	○	○
	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	-	-	-	○	○	○	○	-
Environmental	Environmental Sealing (mated condition)	IP 68 (1 bar / 12h)	IP 68	IP 68	IP 68	IP67 IP69k	IP 20	IP 67	IP 68
	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/s ² 10 g's	100 m/s ² 10 g's	100 m/s ² 10 g's	300 m/s ² 30 g's	100 m/s ² 10 g's	100 m/s ² 10 g's	100 m/s ² 10 g's
	Individual Wire Sealing	○	○	○	○	○	-	○	○
	Cable Jacket Sealing	○	-	-	-	○	-	○	○
	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)	-	-	-	-	-	-	○	○
	Cadmium (olive, 500h)	-	-	-	-	-	-	-	○
	RoHS Zinc Cobalt (black, 200h)	-	-	-	-	-	-	-	○
	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	○	○	○	○	○	○	○	-
	Crimp, stamped	○	○	○	○	○	○	○	-
	Solder	-	-	-	-	○	○	○	○
	Printed Circuit Solder	-	○	○	○	○	○	○	○
	Co-Ax	-	-	-	-	-	○	○	-
	Fiber Optic	-	-	-	-	-	-	-	-
	First-Mate Last-Break	-	-	-	-	-	○	○	○

○ Available - Not available

CA Bayonet	CA-INDUSTRIAL	CA Triple Thread	CGL	KPT / KPSE	KPTC	PV	KJL	KJ	KJA
									
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	-	-	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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 ²	0,14 - 4,0 mm ²	0,14 - 50 mm ²	1,5 - 25 mm ²	0,21 - 1,91 mm ²	0,4 - 2,0 mm ²	0,4 - 5,0 mm ²	0,45 - 5,0 mm ²	0,45 - 5,0 mm ²	0,45 - 5,0 mm ²
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	-	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
500	200	500	500	500	500	500	500	500	500
Reverse Bayonet	Reverse Bayonet	Triple Thread	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Bayonet	Triple Thread
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	-	-	-	-
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 resistant acc. to EIA- 364-02	Environmental resistant acc. to EIA- 364-02	Environmental resistant acc. to EIA- 364-02	Environmental resistant 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 ² 20 g's	100 m/s ² 10 g's	300 m/s ² 30 g's	300 m/s ² 30 g's	200 m/s ² 20 g's	200 m/s ² 20 g's	200 m/s ² 20 g's	300 m/s ² 30 g's	10Hz - 500Hz Random: 43,7g	600m/s ² 60g's
<input type="radio"/>	-	-	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy	Aluminum Alloy
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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<input type="radio"/>	-	<input type="radio"/>	-	<input type="radio"/>	<input type="radio"/>	-	-	-	<input type="radio"/>
<input type="radio"/>	-	<input type="radio"/>	-	<input type="radio"/>	<input type="radio"/>	-	-	-	-
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	-	-	-	-
Silver or Gold	Tin or Gold	Silver or Gold	Silver or Gold	Gold	Gold	Gold	Gold	Gold	Gold
<input type="radio"/>	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
-	<input type="radio"/>	-	-	-	-	-	-	-	-
<input type="radio"/>	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	-	-	-	<input type="radio"/>
<input type="radio"/>	-	<input type="radio"/>	-	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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