



APD Connectors

Cannon's APD is a direct, in-line, and bulkhead sensor/industrial connector that is resistant to automotive and industrial fluids. It also boasts very low contact resistance for maximum signal integrity. The APD is available in 1-, 2-, 4-, 7-, 37-, and 51-position versions. It is designed to meet all DIN 72585 requirements.

Features ▶

- IP67 and IP69 sealing
- Low contact resistance
- Current options ranging from 12A to 240A
- PCB options
- Color options

Benefits ▶

- Harsh environment applications
- Alternate keying configurations
- Cost-effective

Applications ▶

- Sensors
- Lighting systems
- Power supplies
- Power distribution
- Electronic control

Product Specifications ▶

Part Number	Pin Count	Description	Material	RoHS Compliant
121583-0013	1	Connector, high-power (240A pk) plug-red	PBT/PA	Yes
121583-0017	1	Connector, high-power (240A pk) J/N receptacle-red	PBT	Yes
121583-0015	1	Connector, high-power (240A pk) flange receptacle-red	PBT	Yes
030-8614-000	NA	Contact, pin 0 AWG	Cu alloy/silver-plated	Yes
031-8521-000	NA	Contact, socket, 0 AWG	Cu alloy/silver-plated	Yes
031-8697-001	NA	Seal, 1-position, wire insulation 10.4 mm-12.0 mm	HNBR	Yes
217-8516-010	NA	Seal/hex nut 1- and 2-position	PBT	Yes
121583-0025	2	Connector, high-power (74A pk) plug	PBT/PA	Yes
121583-0027	2	Connector, high-power (74A pk) J/N receptacle	PBT	Yes
121583-0026	2	Connector, high-power (74A pk) flange receptacle	PBT	Yes
430-8645-002	NA	Contact, pin 6 AWG	Cu alloy/silver-plated	Yes
031-8646-003	NA	Contact, socket, 6 AWG	Cu alloy/silver-plated	Yes
351-8697-007	NA	Seal, 2-position, wire insulation 5.7 mm-7.3 mm	HNBR	Yes
121583-0000	4	Connector, plug	PBT/PA	Yes
121583-0004	4	Connector, flange receptacle	PBT	Yes
121583-0008	4	Connector, J/N receptacle	PBT	Yes
121668-0125	NA	Contact, socket 16 AWG-20 AWG	Cu alloy/tin-plated	Yes
121668-0026	NA	Contact, pin, 16 AWG-20 AWG	Cu alloy/tin-plated	Yes
273-8506-005	NA	Seal, 4-position, wire insulation 1.4 mm-2.0 mm/red	Silicone	Yes
121583-0018	7	Connector, plug	PBT/PA	Yes
121583-0020	7	Connector, flange receptacle	PBT	Yes
121583-0019	7	Connector, J/N receptacle	PBT	Yes
192900-0000	NA	Contact, pin 16 AWG-20 AWG	Cu alloy/tin-plated	Yes
192900-0001	NA	Contact, socket, 16 AWG-20 AWG	Cu alloy/tin-plated	Yes
273-8506-009	NA	Seal, individual wire, 7-, 37-, and 51-position, wire insulation 1.9 mm-2.1 mm/yellow	Silicone	Yes
121583-0058	37	Connector, plug	PBT/PA	Yes
249-8619-017	37	Connector, flange receptacle	PBT	Yes
121583-0032	51	Connector, plug-green	PBT/PA	Yes
121583-0081	51	Connector, J/N receptacle-green	PBT	Yes
121668-0255	NA	Contact, pin, 37 and 51 way 16 AWG-18 AWG	Cu alloy/tin-plated	Yes
121668-0222	NA	Contact, socket, 37 and 51 way 16 AWG-18 AWG	Cu alloy/tin-plated	Yes



Circular Connectors

ITT Cannon is a leading manufacturer of MS-type circular connectors. Designed in the 1940s, Cannon's MS E&R series has been a mainstay in the military and industrial marketplaces. ITT Cannon's miniature circular series, KPT and KPSE, provide a broad range of general-purpose environmental connectors. Originally designed for aircraft, these military-approved products are now widely used in many other fields. They are particularly suitable for commercial applications requiring low cost and high reliability.



Features ▶

- Coupling system: threaded and bayonet
- Shell material: aluminum alloy, die cast
- Shell plating options: OD cadmium, electroless nickel, green and black zinc cobalt
- Insulator material: plastic and polychloroprene (resilient)
- Contact options: solder cup and crimp
- RoHS compliant hardware plating and contacts available

Benefits ▶

- Available Bonded-in contacts providing 30 PSI sealing
- Corrosion-resistant
- Simple, dependable, and time-tested design
- Military-qualified

Applications ▶

- Traffic control systems
- Lighting equipment
- Welding machines
- Test equipment
- Robotic devices

Product Specifications ▶

	Part Number	Pin Count	Description	Material	Military Standard	Standard Finish	RoHS Compliance Availability
KPT	KPT02E8-3S	3	Connector, receptacle, size 8	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPT00E10-6P	6	Connector, receptacle, size 10	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPT07E12-3S	3	Connector, receptacle, size 12	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPT02E16-26P	26	Connector, receptacle, size 16	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPT06F20-41P	41	Connector, plug, size 20	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPT02E22-55S	55	Connector, receptacle, size 22	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPT06F24-61P	61	Connector, plug, size 24	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
KPSE	KPSE02E10-6P	6	Connector, receptacle, size 10	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPSE07E12-3S	3	Connector, receptacle, size 12	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPSE02E16-26P	26	Connector, receptacle, size 16	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPSE06F20-41P	41	Connector, plug, size 20	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPSE02E22-55S	55	Connector, receptacle, size 22	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
	KPSE06F24-61P	61	Connector, plug, size 24	Aluminum hardware, neoprene elastomers	Mil-DTL 26482H	OD cadmium	Yes
MS A&B	MS3102A10SL-4P	2	Connector, receptacle, size 10SL	Aluminum hardware, plastic insulator	Not active in 5015	OD zinc	Yes
	MS3106A12S-3S	2	Connector, plug, size 12S	Aluminum hardware, plastic insulator	Not active in 5015	OD zinc	Yes
	MS3106A14S-5P	5	Connector, plug, size 14S	Aluminum hardware, plastic insulator	Not active in 5015	OD zinc	Yes
	MS3100A18-11P	5	Connector, receptacle, size 18	Aluminum hardware, plastic insulator	Not active in 5015	OD zinc	Yes
	MS3102A20-27S	14	Connector, receptacle, size 20	Aluminum hardware, plastic insulator	Not active in 5015	OD zinc	Yes
	MS3101A22-14P	19	Connector, receptacle, size 22	Aluminum hardware, plastic insulator	Not active in 5015	OD zinc	Yes
	MS3106A24-28S	24	Connector, plug, size 24	Aluminum hardware, plastic insulator	Not active in 5015	OD zinc	Yes
MS E&R	MS3102E10SL-4P	2	Connector, receptacle, size 10SL	Aluminum hardware, neoprene elastomers	Mil-DTL 5015H	OD cadmium	Yes
	MS3106E12S-3S	2	Connector, plug, size 12S	Aluminum hardware, neoprene elastomers	Mil-DTL 5015H	OD cadmium	Yes
	MS3106E14S-5P	5	Connector, plug, size 14S	Aluminum hardware, neoprene elastomers	Mil-DTL 5015H	OD cadmium	Yes
	MS3100R18-11P	5	Connector, receptacle, size 18	Aluminum hardware, neoprene elastomers	Mil-DTL 5015H	OD cadmium	Yes
	MS3102E20-27S	14	Connector, receptacle, size 20	Aluminum hardware, neoprene elastomers	Mil-DTL 5015H	OD cadmium	Yes
	MS3101E22-14P	19	Connector, receptacle, size 22	Aluminum hardware, neoprene elastomers	Mil-DTL 5015H	OD cadmium	Yes
	MS3106F24-28S	24	Connector, plug, size 24	Aluminum hardware, neoprene elastomers	Mil-DTL 5015H	OD cadmium	Yes

