



DL DuraLok™ ATV

Dual-Locking Connectors

Dual-Locking, Heavy-Duty Power & Signal Connectors

Available in 38 position (6 x Power/32 x Signal Configuration)

Amphenol Sine Systems' **DuraLok™ ATV Dual-Locking Connectors** are high-density, heavy-duty, environmentally-sealed connectors available in both Plugs and Receptacles. The robust, integrated locking lever, built directly into the Plug housing, ensures a secure mating with the Receptacle every time.

All Plugs and Receptacles are IP68 and IP69K rated (in mated condition).

Key Features

- Integrated Locking Lever
- Combined Power & Signal In One
- A, B & C Keying Options

Applications: Heavy Equipment, Agriculture, Construction, Transportation, Off-Road, Mining, Industrial, Railway, Automotive, Diagnostics, Marine, Water Resistance, Harsh Environments

DuraLok™ ATV - Specifications (Reference Individual Datasheets)

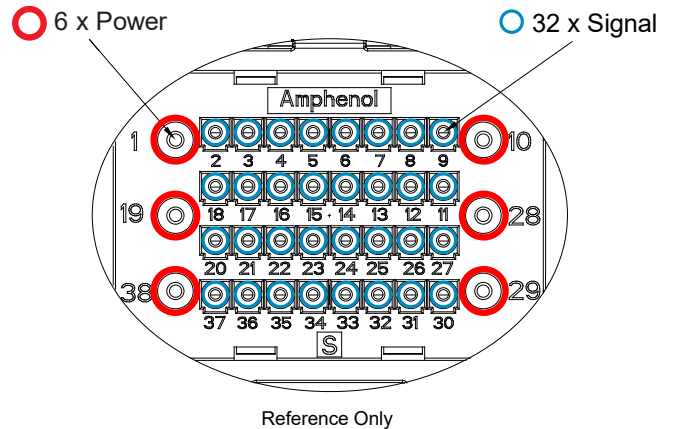
IP Rating (in mated condition)	IP68 and IP69K
Max. Current (Amperage)	13A Power, 5A Signal
Max. Voltage Rating	250V
Operating Temperature	-40°C to +125°C
Coupling System	Integrated Locking Lever
Housing Body	Thermoplastic UL94-VO
Contact Types	Stamped & Formed
Contact Material	Copper Alloy (Gold, Tin & Silver Plating are available)
Sealing Material	Silicone Rubber
Min. Mating Cycles	>500
Flammability Rating	UL94-VO
Fluid Resistance	Gas, oil, mineral oil, acid bath, basic bath
Insulation Resistance	500 megohms min. of 25°C
RoHS Compliant	ALL materials meet the requirements of the European Directive. (See website for documentation)

IP Ratings

IP67 rated (Dust tight; 1M of Water for 30 Minutes, in mated condition)

IP68 rated (Dust tight; 1M of Water for 24 Hours, in mated condition)

IP69K rated (Dust tight; High-Pressure Waterproof, 4 Points (0°, 30°, 60°, 90°), in mated condition)

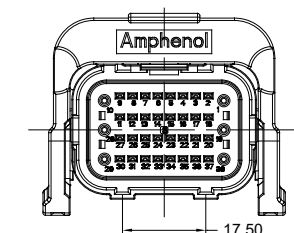
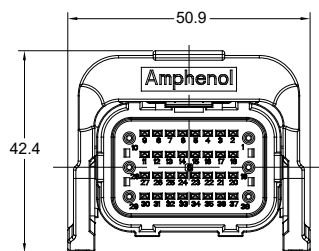


A Series™ Family

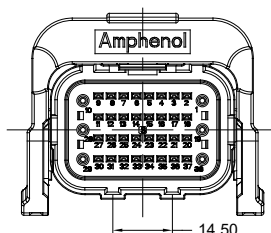
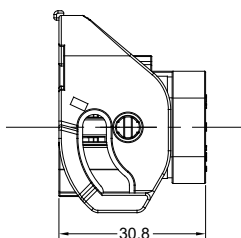


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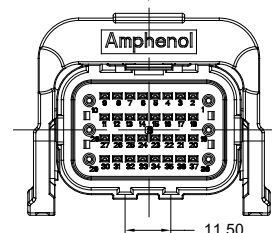
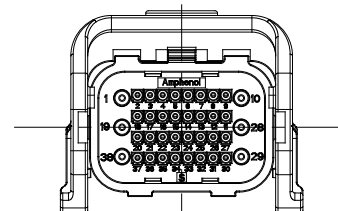
DuraLok™ ATV - Plug Dimensions (in mm) & Keying Options (A, B and C)



Plug - Key A (ATV06-38SA-Sx)

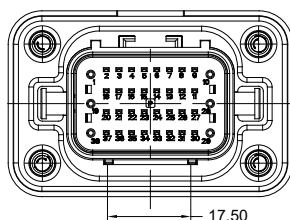
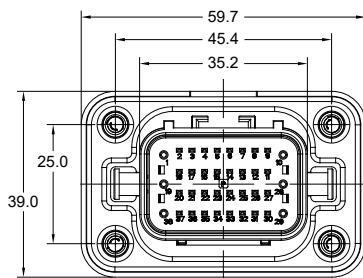


Plug - Key B (ATV06-38SB-Sx)

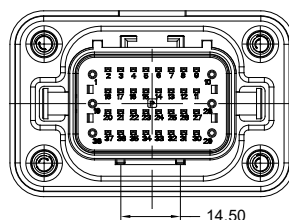
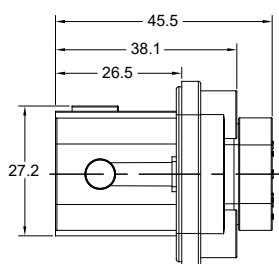


Plug - Key C (ATV06-38SC-Sx)

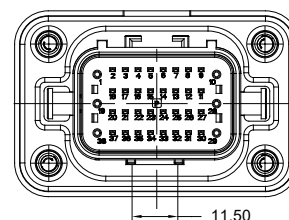
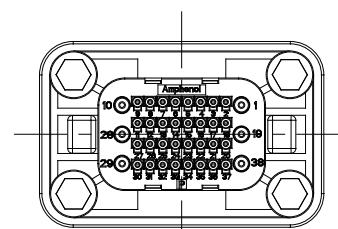
DuraLok™ ATV - Receptacle Dimensions (in mm) & Keying Options (A, B and C)



Receptacle - Key A (ATV04-38PA-Sx)

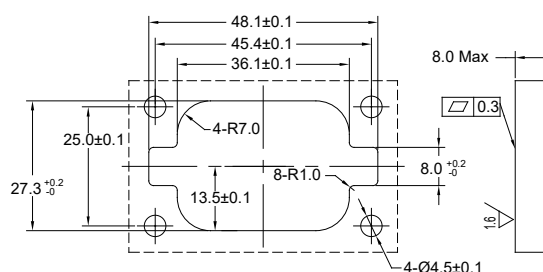


Receptacle - Key B (ATV04-38PB-Sx)



Receptacle - Key C (ATV04-38PC-Sx)

DuraLok™ ATV - Receptacle Panel Cutout Dimensions (in mm)



Receptacle - Panel Cutout

DuraLok™ ATV - Plugs

Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

Image	Part Number	Description	Wire Range	Amp	Volt
	ATV06-38SA-S2	38 Position, Plug, Socket, DuraLok™ ATV, Power and Signal, Standard Seal, Keyed A, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV06-38SB-S2	38 Position, Plug, Socket, DuraLok™ ATV, Power and Signal, Standard Seal, Keyed B, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV06-38SC-S2	38 Position, Plug, Socket, DuraLok™ ATV, Power and Signal, Standard Seal, Keyed C, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V

DuraLok™ ATV - Receptacles

Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

	ATV04-38PA-S2	38 Position, Receptacle, Pin, DuraLok™ ATV, Power and Signal, Standard Seal, Keyed A, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV04-38PB-S2	38 Position, Receptacle, Pin, DuraLok™ ATV, Power and Signal, Standard Seal, Keyed B, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V
	ATV04-38PC-S2	38 Position, Receptacle, Pin, DuraLok™ ATV, Power and Signal, Standard Seal, Keyed C, Grey	20AWG (Ø1.5-1.8mm) Signal 14-22AWG (Ø1.6-2.8mm) Power	13A	250V

DuraLok™ ATV - Accessories

Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

	ATVBS-PS-3805	Backshell, 38 Position, Plug and Receptacle, DuraLok™ ATV, Straight, Black Color, Thermoplastic
	ATVBS-PS-3805B	Backshell, 38 Position, Plug and Receptacle, DuraLok™ ATV, Right Angle, Black Color, Thermoplastic
	PL000762	Dust Cap for Plug, 38 Position, DuraLok™ ATV, White Color, Thermoplastic
	PL000761	Dust Cap for Recept, 38 Position, DuraLok™ ATV, White Color, Thermoplastic

DuraLok™ ATV - Contacts

Note: Refer to individual datasheets on www.amphenol-sine.com for full specs, faceviews, keying location and product dimensions.

Image	Part Number	Description	Wire Range	Amp
	SC000571T	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Tin Plating *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	5A
	SC000572T	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Tin Plating *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	5A
	SC000571F	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Flash	20-22AWG (0.34-0.50mm ²)	5A
	SC000572F	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Flash	20-22AWG (0.34-0.50mm ²)	5A
	SC000571Gx	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Plating G5 = 5µ" Gold Plating; G10 = 10µ" Gold Plating G15 = 15µ" Gold Plating; G30 = 30µ" Gold Plating	20-22AWG (0.34-0.50mm ²)	5A
	SC000572Gx	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Gold Plating G5 = 5µ" Gold Plating; G10 = 10µ" Gold Plating G15 = 15µ" Gold Plating; G30 = 30µ" Gold Plating	20-22AWG (0.34-0.50mm ²)	5A
	SC000571N	Pin Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Nickel Plating	20-22AWG (0.34-0.50mm ²)	5A
	SC000572N	Socket Contact, Stamped & Formed, Signal, Size 1.0x0.64mm, Nickel Plating	20-22AWG (0.34-0.50mm ²)	5A
	SP14M2F	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	14-16AWG (2.0-2.5mm ²)	13A
	SS14M2F	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	14-16AWG (2.0-2.5mm ²)	13A
	SP14M2Gx	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5µ" Gold over Nickel; G10 = 10µ" Gold over Nickel G15 = 15µ" Gold over Nickel; G30 = 30µ" Gold over Nickel	14-16AWG (2.0-2.5mm ²)	13A

Image	Part Number	Description	Wire Range	Amp
	SS14M2Gx	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	14-16AWG (2.0-2.5mm ²)	13A
	SP14M2T	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	14-16AWG (2.0-2.5mm ²)	13A
	SS14M2T	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	14-16AWG (2.0-2.5mm ²)	13A
	SP16M2F	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	16-18AWG (0.75-1.5mm ²)	13A
	SS16M2F	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	16-18AWG (0.75-1.5mm ²)	13A
	SP16M2Gx	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SS16M2Gx	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SP16M2T	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SS16M2T	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Tin over Nickel	16-18AWG (0.75-1.5mm ²)	13A
	SP20M2F	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	13A

Image	Part Number	Description	Wire Range	Amp
	SS20M2F	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold Flash over Nickel *Commonly Stocked Contacts	20-22AWG (0.34-0.50mm ²)	13A
	SP20M2Gx	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	20-22AWG (0.34-0.50mm ²)	13A
	SS20M2Gx	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Gold over Nickel G5 = 5μ" Gold over Nickel; G10 = 10μ" Gold over Nickel G15 = 15μ" Gold over Nickel; G30 = 30μ" Gold over Nickel	20-22AWG (0.34-0.50mm ²)	13A
	SP20M2T	Pin Contact, Stamped & Formed, Size 16, 3 Tangs, Tin Plating over Nickel	20-22AWG (0.34-0.50mm ²)	13A
	SS20M2T	Socket Contact, Stamped & Formed, Size 16, 3 Tangs, Tin Plating over Nickel	20-22AWG (0.34-0.50mm ²)	13A