

Amphenol LTW's X-Lok Connector Series (IPX8) for Your Quick and Stable Installation



Integrating the push lock mechanism together with audible and tactile feedback, Amphenol LTW's X-Lok series (IPX8) is your best blind mating solution for a quick and easy operation. Including the large variety of receptacles and cable assemblies with different connector sizes and pin configurations, from 2 to 18 contacts, X-Lok series is suitable for both power and data applications. In order to meet the highest industry standard, X-Lok series is designed according to UL2238 plus 50e and IEC compliant. It not only adopts UL-F1 rated thermoplastic materials to limit

damage under long-term UV exposure but also presents excellent performance under harsh environmental conditions in both high temperature and high humidity. Moreover, its ruggedized design passes free fall and crushing test for your robustness consideration.



Various sealing caps



High mating durability (1000 cycles)



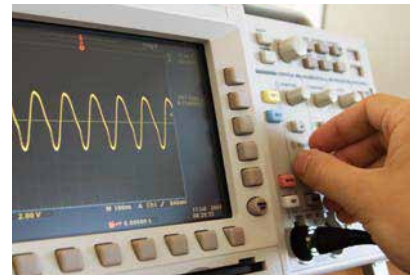
Applications :



LED Lighting



Hybrid Electric Vehicle (HEV) /
Electric Vehicle (EV)



Testing and Measurement
Equipment



Broadband Wireless Access



Marine



Agriculture & Data Acquisition

Specification :

General Characteristics		Technical Characteristics - Mechanical	
Current Rating	5A, 10A, 20A	Connector Mating & Unmating Force	<ul style="list-style-type: none"> Mating Force (B/C/D Size): 4.5/5.5/7.0 maximum Unmating Force (B/C/D Size): 2.5/3.0/4.0 minimum
Voltage Rating	300 VAC/VDC	Free Fall	20 drops from one meter
Durability	1000 cycles	Crushing Test	75 lbf in one minute
Waterproof Rating	IP X8	Technical Characteristics - Electrical	
Operating Temperature	Receptacle: -40°C~90°C Overmolded with Cable: <ul style="list-style-type: none"> Data group (21388 Cable): -20°C~80°C Power group (SJTW Cable) : -20°C~105°C 	Contact Resistance	≤ 10 mΩ
		Insulation Resistance	≥ 100MΩ at DC 500V
Material Specification		Environmental Conditions and Performance	
Housing	Thermoplastic, UL94V-0, Black	Damp Heat, Cyclic	85°C and 85% RH for 500 hours
Terminal	Copper Alloy, Gold Plated	Salt Spray	48 hours
Gasket & O-ring	Rubber, UL94V-0, Gray	Technical Characteristics - Electrical	
UV Resistant	F1 material	UL Certificate	Subject to UL 2238 (+UL 50e/F1)

For further information, please contact:

LED Market:

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About Amphenol LTW

Amphenol LTW has actively devoted to various outdoor and industrial applications by successfully developing high-end waterproof connectors to meet strict requirements; also has many worldwide patents and certification such as ISO 14001, ISO 9001 and NMEA 2000...etc.. Now Amphenol LTW is not merely a supplier of waterproof connectors but also a solution provider in diversified market segments.

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Innovation in Waterproof Solution

* Design and specifications are subject to change without notice.