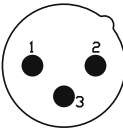
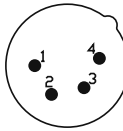
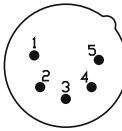
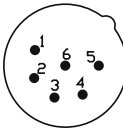


# XLR Connectors

## XLR IP65 Connectors

### STANDARD DATA AX SERIES CHASSIS - IP65

		VALUE			
<b>GENERAL CHARACTERISTICS</b>	Number of contacts	3	4	5	6A Available
	Contact Arrangement (Front view of pin inserts)				
	Termination	Solder Bucket / Printed Circuit Board (PCB)			
	Max. Wire Gauge - Stranded wire: Solder Printed Circuit Board - PCB	14AWG N/A	16AWG N/A	18AWG N/A	18AWG N/A
	Flammability rating of plastics & rubber	UL94V-0			
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU			
<b>ELECTRICAL CHARACTERISTICS</b>	Service Voltage RMS	133V <sup>1)</sup>			
	Test Voltage AC RMS	1400V			
	Current carrying capacity: Solder Printed Circuit Board (PCB)	15A 15A	10A 10A	7.5A 7.5A	7.5A 7.5A
	Typical Contact Resistance	≤3mΩ			
	Insulation Resistance	≥1000MΩ			
<b>CLIMATIC CHARACTERISTICS</b>	Protection Class	IP65			
	Operating Temperature	-25 °C to +75 °C (-13°F to +167°F)			
<b>MECHANICAL CHARACTERISTICS</b>	Weight <sup>2)</sup>	31g (0.068lb)	32g (0.070lb)	33g (0.072lb)	33g (0.072lb)
	Mechanical Operations	1000 mating cycles			
<b>MATERIALS</b>	Connector Flange Finish	Rubber Black / Stainless Steel			
	Insulators	PA66 30% Glass Filled Resin			
	Male Contact Machined Solder and PCB-(Material/Plating)	Brass / Tin or Gold (Optional)			
	Female Contact Machined Solder and PCB-(Material/Plating)	Brass / Tin or Gold (Optional)			

Rev 2 - 10/2024

<sup>1)</sup>Not suitable for domestic applications above 50V

<sup>2)</sup>Approximate weight only, does not include packaging. Please contact us for exact weight for shipping purposes.

# STANDARD DATA AX SERIES CHASSIS RECEPTACLES - IP65

		VALUE		
		Class D	CAT5E	CAT6
<b>GENERAL CHARACTERISTICS</b>	Number of contacts	8		
	Contact Arrangement	RJ45		
	Termination	Printed Circuit Board (PCB) - through hole, Feedthrough, IDC Terminal		
	Flammability	UL94V-0		
	Environmental	Complies with EU RoHS 2 Directive 2011/65/EU		
	Solderability	MIL-STD 202, Method 208		
<b>ELECTRICAL CHARACTERISTICS</b>	Rated current per contact	1.5 A		
	Rated Voltage	125V AC		
	Typical Contact Resistance	20mΩ		
	Insulation Resistance	> 500MΩ		
	Dielectric Strength	1000 VAC, 60 secs		
	Max. Frequency	100Mhz	100MHz	250MHz
	Ethernet Standard	10/100 BASE-T	1000 BASE-T	10GBASE-T
	Transmission Spec.	EIA/ TIA568-C.2, ISO/IEC 11801, EN50173		
	PoE	802.3at Type 2	Types 1 to 4 and IEC60603-7 compliant	
	LED Type	Round, single pole, indicator		
<b>CLIMATIC CHARACTERISTICS</b>	Protection Class - RJX - RJXS	IP40 (with EMI/RFI shield) IP54 (non potted) IP65 (potted)		
	Operating Temperature	-40°C to +80°C (-40°F to +176°F)		
<b>MECHANICAL CHARACTERISTICS</b>	Weight** - A & B Housing - Shielded Housing - D Shell	11g (0.024lb) 17g (0.037lb) 25g (0.055lb)		
	Mechanical Operations	1000		
	Insertion and Withdrawal Force	≤ 21N		
	Latch	Spring Steel		
	Panel Thickness max.	RJXS series panel thickness variable, three groups: S: 1.2-2.5, M: 2.5-3.5, L: 3.8-5.0		
	Mounting screw torque max.	0.35Nm		
	Fastener	Self-Tapping screw M2.5		
	<b>MATERIALS</b>	Connector Shell / Housing	PA66-R10G251(ff)(f1) KINGFA SCI&TECH, E171666	
Front Panel Gasket		121-80 SANTOPRENE		
Potting Compound				
Contact		Phosphor Bronze		
Contact Finish - Ground - RJ45		0.38μm Au over 1.27μm Ni 1.27μm Au over 1.27μm Ni		
Metal Hood Shield EMI/RFI		BRASS UNS #26800 PRE-PLATED 0.25mm THK		
Latch lock and Spring		CARBON STEEL SAE 1055		

Rev 1 - 11/2024

\*\*Approximate weight in grams not including packaging. Please contact us for exact weight for shipping purposes.