

iSENSOR SERIES



Metal Shell Connector with Snap Lock or Threaded Coupling



PRODUCT SPECIFICATIONS:	iSENSOR i8 Snap Lock	iSENSOR i8 Threaded	iSENSOR i12 Threaded
Materials:			
Contact Carrier	Mineral Filled PA		
Coupling Nut	N/A	Nickel Plated Brass or Stainless Steel	
Panel Mount Housing	Nickel Plated Brass, Stainless Steel or PVC	Nickel Plated Brass or Stainless Steel	
Jam Nut	N/A	Nickel Plated Brass or Stainless Steel	
Mounting Gasket / O-ring	Neoprene or PVC	Buna	
Contacts	CU Alloy, Gold Over Nickel Plating		
Connector Interface Sealing O-Ring	Silicone		
Overmold	Overmold Material is TPU	Overmold Material will vary depending on cable selection (PVC, TPU, or other)	
Dimensions:			
Receptacle Mounting	N/A	M8 Thread	PG9 Thread
Basic Plug Max. OD	.34" DIA.	.39" DIA. Over Coupling Nut	.56" DIA. Over Coupling Nut
In-Line Receptacle Max. OD	.34" DIA	.39" DIA. Over Coupling Nut	.56" DIA. Over Coupling Nut
Overmold Length with Strain Relief	1.07"		1.14"
Max Cable Diameter	.2" DIA.		.33" DIA.
Contact Sizes Available (max. #)	#23 (6), #20 (4)		#24 (12), #22 (8), #20 (5)
Performance:			
Ingress Protection	IP67		IP67 / IP69K
Voltage Rating (RMS)	Up to 300V		
Amperage Rating	Up to 7.5A		
Max Continuous Temperature	Overmold material and wire / cable selection will influence the overall max temperature rating of the assembly (80 –105 degrees C)		
OPTIONS:			
⇒ High-tech polymer and machined brass or stainless steel components	⇒ PC Tail contacts available for panel mount receptacles		
⇒ Closed entry female contact design	⇒ #28 thru #20 wire size range		
⇒ Threaded or push-pull (snap lock) construction	⇒ Panel mount receptacle / inline receptacle / overmolded plug available		
⇒ Variety of Overmold resins available			