FLYER

HR22K Series

Compact, Waterproof, Push-On Bayonet Lock Connectors

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Push On Bayonet | Water Proof | Compact

Features

1. **Compact, robust design with a metal shell**
2. **Unique secure & user-friendly push-on bayonet lock**
3. **Oil-proof and waterproof design: IPX7 compliant (when mated)**
4. **Cat.5e (1Gbps) high speed transmission**
5. **Spiral type strain relief design with excellent bending durability is ideal for I/F connections in small spaces.**

Variation

No. of Pos.	Shell	Wiring Type	Male, Female	Plug		Receptacle	
				Straight	Right Angle	Straight	Right Angle
20pos.	Metal	Crimp	Male	(Under Development)	–	Mass Production	
			Female	Mass Production	–	(Under Development)	
		Pin Through Hole	Male			–	–
			Female			(Under Development)	–

Specifications

Rated Current	2A
Rated Voltage	100V AC, 140V DC
Operating Temperature	-25 to +85℃
Contact Resistance	20mΩ Max. (1A DC)
Withstanding Voltage	300V AC for 1 min.
Insulation Resistance	1,000MΩ Min. (100V DC)
Mating Durability	100 times

- Applicable Cable: 24 to 28 AWG (Outer Dia: ⌀1.15 Max.)
- RoHS Compliant

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Functional Diagram

Plug

Female Contact

Receptacle

Male Contact

Product Variations

Part No. HRS No.	Connector Type	Specification
HR22K-12WBP-20SC CL0134-0078-0-00	Plug	20pos., Male Contact
HR22K-12WBR-20PC CL0134-0079-0-00	Receptacle	20pos., Female Contact
HR22-SC1-221 CL0122-0095-0-00	Female Contact	Wire Size: 24 to 28 AWG Partial Gold Plating, Reel
HR22-PC1-221 CL0122-0094-0-00	Male Contact	Wire Size: 24 to 28 AWG Partial Gold Plating, Reel

Material and Finish

COMPONENT		MATERIAL	FINISH, REMARKS
Plug	Outer Shell	Zinc Alloy	Nickel Plating
	Strain Relief	PA Resin	Black
	Insulator, Washer	PBT Resin, PA Resin	Black
	Contact	Phosphorous Bronze	Partial Gold Plating
	Gasket, O-ring	Hydrogenated Nitrile Rubber	Black
Receptacle	Outer Shell	Zinc Alloy	Nickel Plating
	Insulator	PBT Resin	Black
	Contact	Phosphorous Bronze	Partial Gold Plating
	Earth Contact Spring	Phosphorous Bronze	Nickel Plating
	O-ring	Hydrogenated Nitrile Rubber	Black

Applicable Tool (Hand Tool and Applicator)

Part No. HRS No.	Type	Applicable Cable
CM-105 CL0901-0005-4-00	Automatic Crimping Machine	-
AP105-HR22-2 CL0901-2023-7-00	Automatic Crimping Applicator	24 to 28 AWG
HT106/HR22K-10.2 CL0150-0109-0-00	Manual Crimping Tool	⌀9.5 Cab Tire Cable Manual, One-handed Type
RP6-SC-TP CL0150-0039-0-00	Extraction Tool	-

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