HR34P Series

Product Overview

Applications:









Industrial Robotics

Factory Autmation

Medical Equipment

Discover Hirose's newest addition – the HR34P Series.

Meet the HR34P Series by Hirose Electric: Your compact, reliable blind mate connectivity solution. Engineered for easy assembly, it features a precision floating design for seamless mating. Perfect for high-precision and durability needs, the HR34P ensures secure connections across demanding applications.

HIGHLIGHTS:

Small Blind Mate Connector

- Blind mate connection for efficient assembly •
- Floating design allows easy mating • Floating Amount: ±0.5mm in X and Y directions
- Keyed housing prevents incorrect mating •

Floating Design

Floating screws enable floating mating of ± 0.5 mm in X and Y directions.



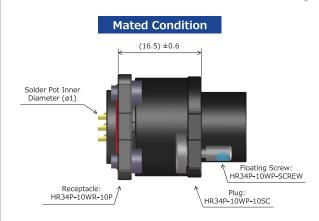
Floating Design Allows Easy Blind Mate Connection



CLICK HERE TO ORDER SAMPLE NUMBER: JS-HR34PSAMPLE-24



Rack to Panel Connection



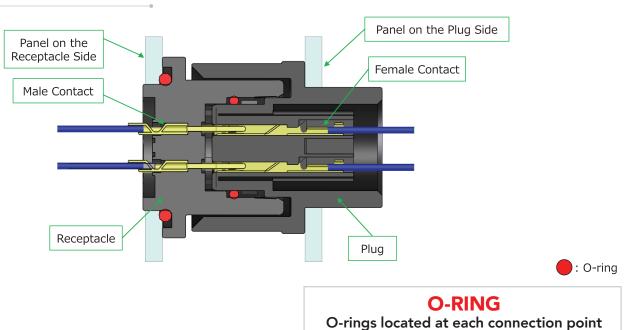
Z Direction (Mating Axis): ±0.6mm Misalignment Absorbed



DDCONNECTING THE FUTURE

Hirose Electric Americas | www.hirose.com | 2001 Butterfield Rd., Suite 1900, Downers Grove, IL 60515 | April 2024

Reliable Design



prevent water from entering the connector.

Specifications

Material and Finish

COMPONENT		MATERIAL	FINISH, REMARKS
Receptacle	Insulator	Polyamide Resin	UL94V-0, Black
	Male Contact	Copper Alloy	(Contact Area) Gold Plated (Terminal Area) Gold Plated (Under Plating) Nickel
	O-ring	Silicone Rubber	Red
Plug	Insulator	Polyamide Resin	UL94V-0, Black
Female Contact		Phosphor Bronze	(Contact Area) Gold Plated (Terminal Area) Nickel Plated (Under Plating) Nickel
Floating Screw		Stainless Steel	Silver (Nylok: Blue)

Performance Characteristics

Rated Current	3A
Rated Voltage	200V AC, 250V DC
Operating Temperature	-40 to +105℃*
Contact Resistance	20mΩ Max. (1A DC)
Withstanding Voltage	900V AC for 1 min.
Insulation Resistance	1000MΩ Min. (500V DC)
Mating Durability	30 times

- Applicable Cables : 20-25 AWG

- RoHS Compliant

* Includes the temperature rise by current flow



For additional information please go to www.hirose.com/product/series/HR34P

Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings, or availabilities.





DDDCONNECTING THE FUTURE