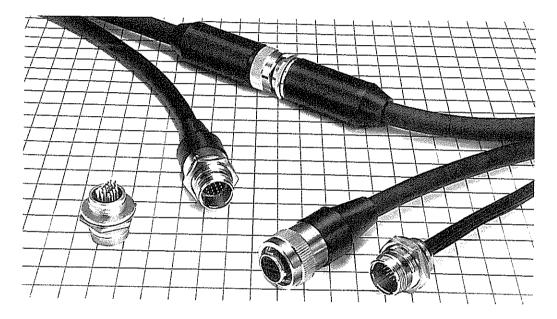
HR22 SERIES HIGH-PERFORMANCE COMPACT CIRCULAR CONNECTORS

Scope

The HR22 Series are 20-pin compact circular connectors developed as an interface between machine tool motors and operation panels, with a screw coupling type locking machanism to prevent unlocking due to motor vibration, and are available in either waterproof or non-waterproof types.



Features

- 1. Available in Waterproof and Non-Waterproof Types. Engaged waterproof type connectors are free from water penetration for 48 hours at a depth of 1.8 meters.
- Anti-Loosening Locking Mechanism. The locking mechanism has an anti-loosening spring in a screw coupling.
- 3 Two Types of Termination Available in two wiring styles for wider selection: Crimp type and soldering.
- Easy Receptacle Mounting. A receptacle may be mounted quickly on a panel by tightening a nut.
- Available with Wire Protection This type of connector has a shell with a cord bushing for increased cable curvature and protection against wire breakage when bending the wire.
- High-Density Design.
 The maximum plug dia. is 21mm for higher density of a 20-pin type connector.

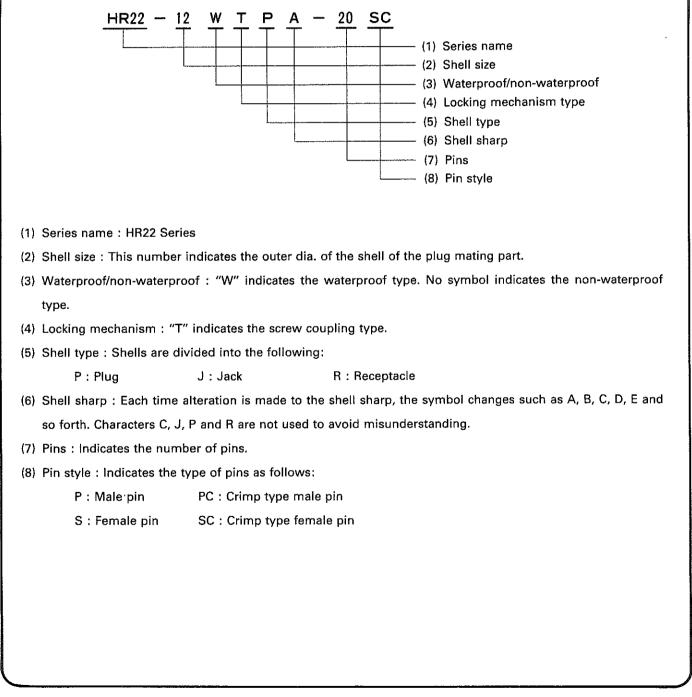
Application

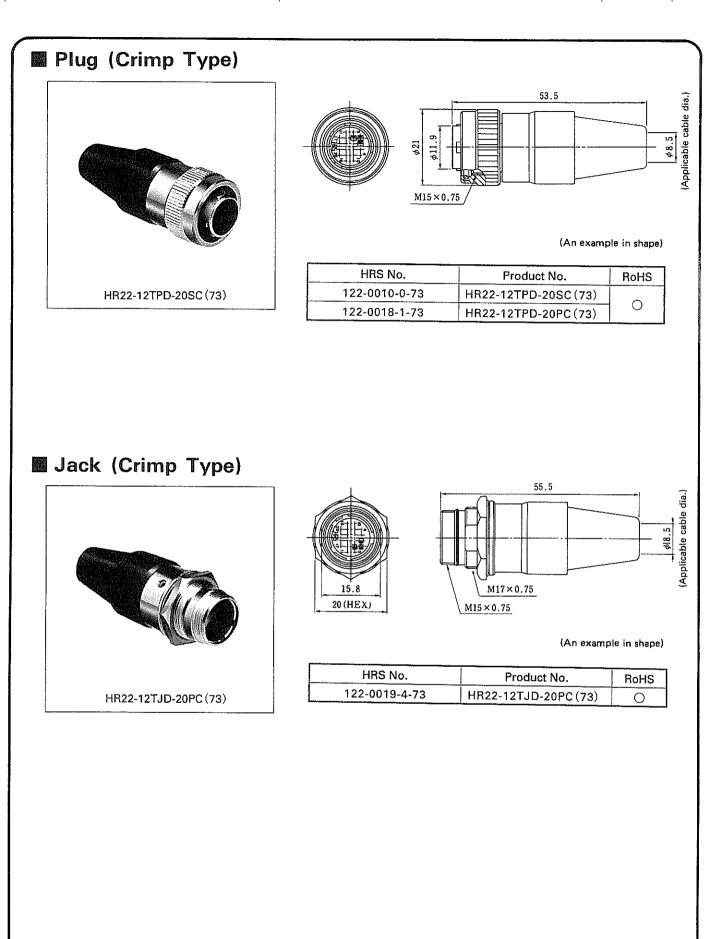
NC machining tools, FA equipment, communication equipment, measuring instruments and other electronic devices and equipment

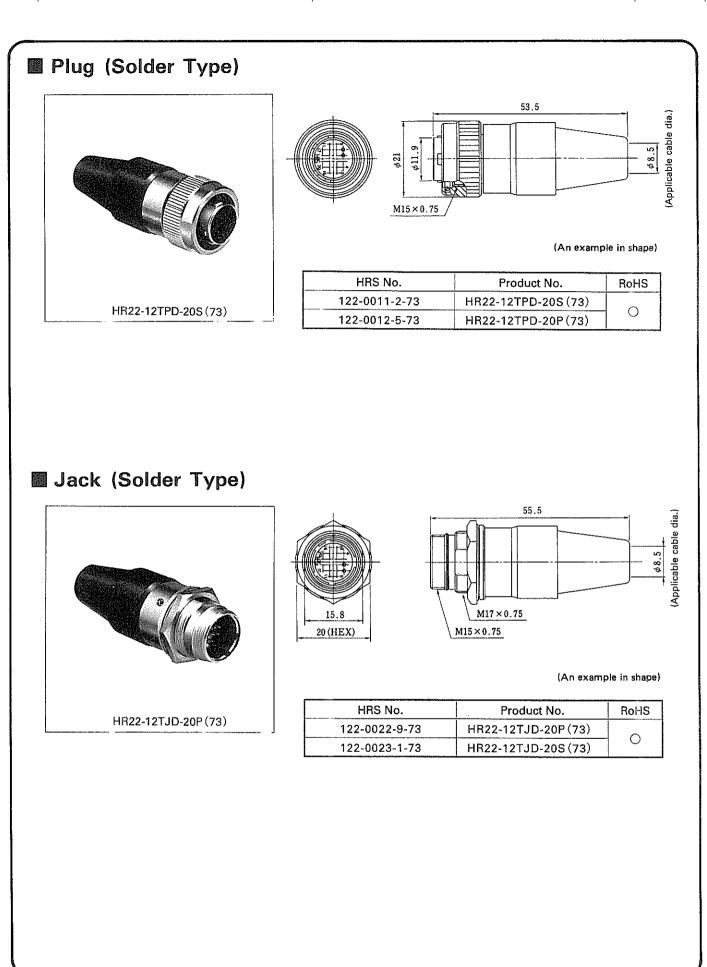
Materials and Finish

Part No.	Material	Finish
Shell	Zinc alloy and brass	Nickel plating
Insulator	PBT resin ※	(Black)
Male terminal	Brass or phosphor bronze	Silver plating
Female terminal	Beryllium copper or phosphor bronze	Silver plating

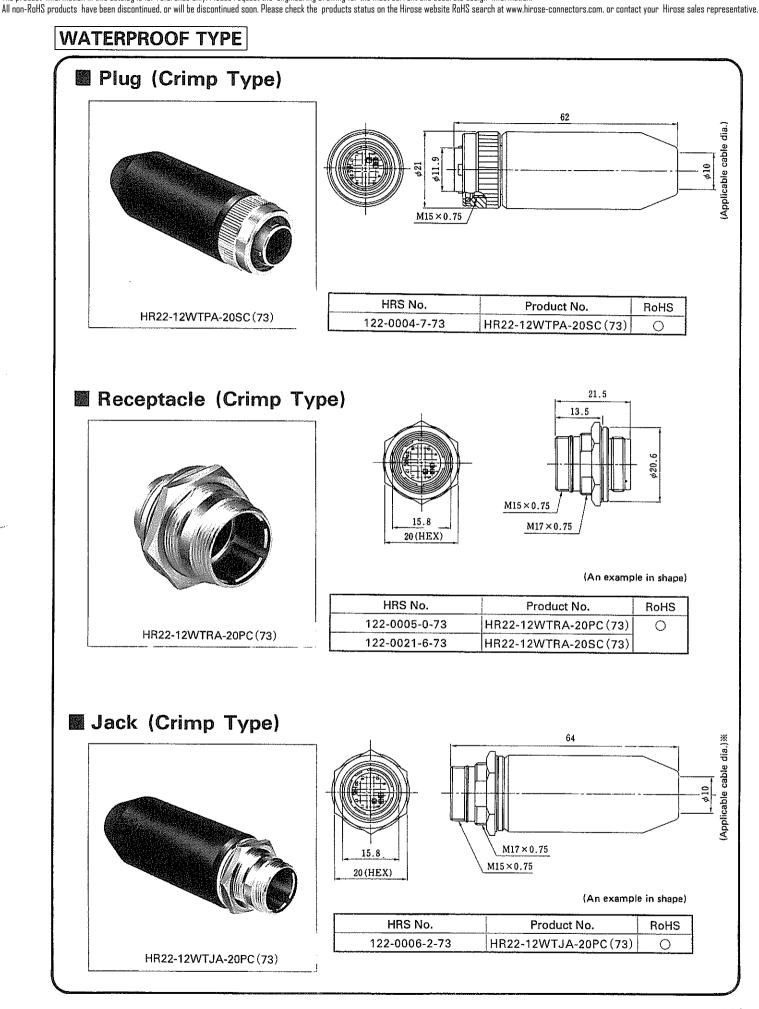
Ordering Information



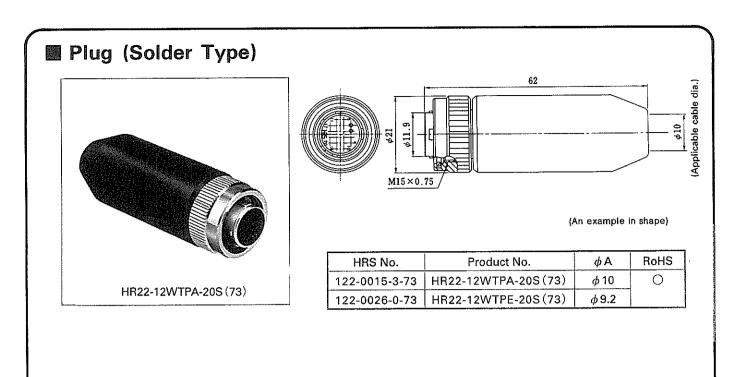




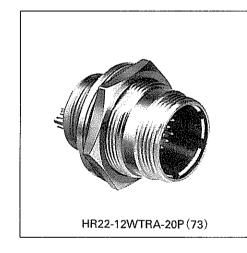
The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information.

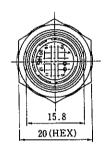


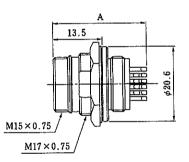
193



Receptacle (Solder type)







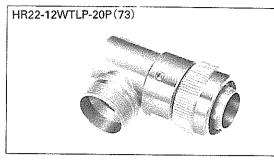
(An example in shape)

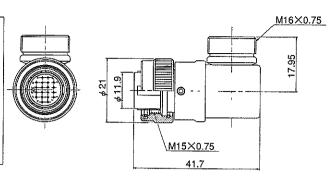
HRS No.	Product No.	А	RoHS
122-0013-8-73	HR22-12WTRA-20P(73)	25.5	0
122-0014-0-73	HR22-12WTRA-20S(73)	24	

. The product information in this catalog is for reference only. Please request the Engineering Drawing for the most current and accurate design information.

All non-RoHS products have been discontinued, or will be discontinued soon. Please check the products status on the Hirose website RoHS search at www.hirose-connectors.com, or contact your Hirose sales representative.

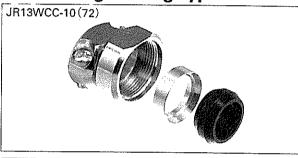
Right angle plug(Solder type)





Part No.	HRS No.	Weight	RoHS
HR22-12WTLP-20P(73)	CL122-0054-5-73	55g	0

Cable clamp Screw tightening type



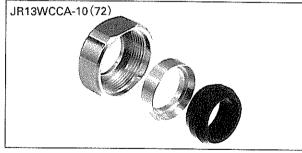
Wrench applic dimension of	ation sp 17mm	M16×0.75	
			\$

Shown one type

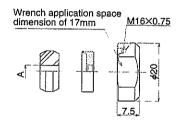
Part No.	HRS No.	A	Weight	RoHS
JR13WCC-4(72)	CL114-2045-0-72	4	17g	
JR13WCC-5(72)	CL114-2046-3-72	5	17g	0
JR13WCC-6(72)	CL114-2047-6-72	6	17g	

Part No.	HRS No.	Α	Weight	RoHS
JR13WCC-7(72)	CL114-2048-9-72	4	17g	
JR13WCC-8(72)	CL114-2049-4-72	5	17g	0
JR13WCC-9(72)	CL114-2050-0-72	6	17g	1
JR13WCC-10(72)	CL114-2051-3-72	6	17g	1

Without screw type

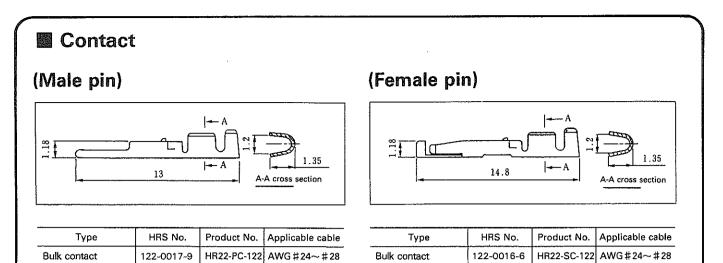


Part No.	HRS No.	A	Weight	RoHS
JR13WCCA-4(72)	CL114-2069-9-72	4	17g	
JR13WCCA-5(72)	CL114-2070-8-72	5	17g	0
JR13WCCA-6(72)	CL114-2071-0-72	6	17g	



Shown one type

Part No.	HRS No.	Α	Weight	RoHS
JR13WCCA-7(72)	CL114-2072-3-72	4	12g	
JR13WCCA-8(72)	CL114-2073-6-72	5	12g	0
JR13WCCA-9(72)	CL114-2074-9-72	6	12g	
JR13WCCA-10(72)	CL114-2075-1-72	6	12g	



Chain contact

122-0008-8

HR22-SC-222 AWG # 24~ # 28

Notes:	

Chain contact

(1) 100 separate terminals are contained in a package, 10,000 continuous terminals are wound on a reel.

AWG #24~#28

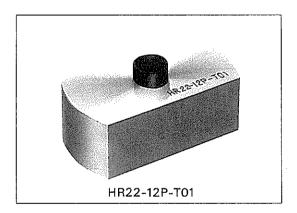
(2) Use a cable having a insulator outer dia. of 1.15 mm or more.

HR22-PC-222

122-0009-0

Wiring Jig

A connector may be assembled and disassembled easily using the assembly jig shown below:



HRS No.	Product No.	Applicable connector
150-0075-4	HR22-12P-T01	For HR22-12WTPA For HR22-12TPD

