


Oct.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
 In case that the application demands a high level of reliability, such as automotive,  
 please contact a company representative for further information.

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85°C(95%RH MAX)	STORAGE TEMPERATURE RANGE	-55°C TO +85°C(95%RH MAX)
	POWER	-w	CHARACTERISTIC IMPEDANCE	75 Ω (0 TO 1 GHz)
	PECULIARITY	----	APPLICABLE CABLE	----
<b>SPECIFICATIONS</b>				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
<b>CONSTRUCTION</b>				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.		-	-
<b>ELECTRIC CHARACTERISTICS</b>				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT 6 mΩ MAX. OUTER CONTACT 6 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	X	X
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.	X	X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 1 GHz.	VSWR 1.2 MAX.	X	-
INSERTION LOSS	FREQUENCY ---- TO ---- GHz	---- dB MAX.	-	-
<b>MECHANICAL CHARACTERISTICS</b>				
CONTACT INSERTION AND EXTRACTION FORCES	$\phi 0.49 \begin{matrix} 0 \\ -0.005 \end{matrix}$ BY STEEL GAUGE.	INSERTION FORCE ---- N MAX. EXTRACTION FARCE 0.5 N MIN	-	X
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE ---- N MAX. EXTRACTION FARCE ---- N MAX.	-	-
MECHANICAL OPERATION	500 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 11 mΩMAX. OUTER CONTACT 11 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s <sup>2</sup> AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
SHOCK	490 m/s <sup>2</sup> DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	-
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT ---- N MAX.	1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.	-	-
<b>ENVIRONMENTAL CHARACTERISTICS</b>				
DAMP HEAT	EXPOSED AT +25 TO +65 °C, 80 TO 96 %, 10 CYCLES, TOTAL 240 h	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → - → +85 → - °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
4	DIS-D-000131	TS.SAWAI	KY.SHIMIZU	05.11.09
REMARK		APPROVED	I.J.MITANI	05.10.28
<b>RoHS COMPLIANT</b>		CHECKED	KY.SHIMIZU	05.10.28
		DESIGNED	NK.NINOMIYA	05.10.20
		DRAWN	TS.SAWAI	05.10.20
Unless otherwise specified, refer to JIS C 5402.				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELG4-029382-40	
<b>HRS</b>	SPECIFICATION SHEET	PART NO.	PL71-R-PC (40)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL334-0011-9-40	 1/1