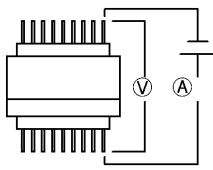


APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-20°C TO 80°C	STORAGE TEMPERATURE RANGE	-
	VOLTAGE	125 V	OPERATING HUMIDITY RANGE	-
	CURRENT	1A	APPLICABLE CABLE	AWG#28 INSULATOR OUTER DIAMETER(0.87~0.97)

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION				
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×
MARKING	CONFIRMED VISUALLY.		×	×
ELECTRIC CHARACTERISTICS				
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz) MEASUREMENT POINT 	50 mΩ MAX. < 1	×	-
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.	×	-
VOLTAGE PROOF	250 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	-
MECHANICAL CHARACTERISTICS				
INSERTION AND WITHDRAWAL FORCES	MEASURED BY COMBINATION OF THE CONNECTOR < 2	17.2N MAX	×	-
MECHANICAL OPERATION	60 TIMES INSERTIONS AND EXTRACTIONS.	①CONTACT RESISTANCE VARIATION : 10 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 5min/CYCLE FOR 10 CYCLES	①NO ELECTRICAL DISCONTINUITY OF 10 μS. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		×	-
ENVIRONMENTAL CHARACTERISTICS				
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 →15 ~ 35→ 105 → 15 ~ 35 °C TIME 30 → 5max → 30 → 5max FOR 5 CYCLES.	①CONTACT RESISTANCE VARIATION : 10 mΩ MAX. ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-
DAMP HEAT,CYCLIC	EXPOSED 40 °C、90 TO 95 %、96 h	①INSULATION RESISTANCE: 100 MΩ MIN (AT DRY) ②NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	×	-

NOTES < 1 > EXCLUDE CABLE CONTACT RESISTANCE
< 2 > THE COMBINATION OF PRODUCTS IN THIS TEST (QR/P18A-18P-[J])

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
0				

REMARK Unless otherwise specified, refer to JIS C 5402.	APPROVED	YH. ENAMI	08.04.04
	CHECKED	HO. MIWA	08.04.04
	DESIGNED	KI. NAGANUMA	08.04.04
	DRAWN	KI. NAGANUMA	08.04.04

Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC4-125532-01

HRS	SPECIFICATION SHEET	PART NO.	QR/P18A-18S	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL221-0307-0-00	△ 1/1