

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-25°C TO +75°C	STORAGE TEMPERATURE RANGE	Note1. -40°C TO +85°C	
	VOLTAGE	DC 100V	OPERATING HUMIDITY RANGE	- % TO - %	
	CURRENT	0.5A	APPLICABLE CABLE	AWG26 MAX, ϕ 4 MAX	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.		X	X
ELECTRICAL CHARACTERISTICS					
CONTACT RESISTANCE		10 mA MAX (DC OR 1000 Hz).	50 mΩ MAX.	X	X
INSULATION RESISTANCE		100 V DC.	100 MΩ MIN.	X	X
VOLTAGE PROOF		250 V AC FOR 60 sec.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 15.68 N MAX. EXTRACTION FORCE 1.568 N MIN.	X	—
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE : 75 mΩMAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2 HOURS FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.		X	—
LOCKING FORCE		PULL THE CONNECTOR, CABLE AXIALY.	49N MIN	X	—
CONTACT RETENTION FORCE		CONTACT SHOULD NOT BE LOOSEN WHEN PULLED THE CONTACT FROM OPPOSITE SIDE OF PRESS FITTING.	4.9N MIN	X	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -40 → 5TO35 → +85 → 5TO35 °C TIME 30 → 2TO3 → 30 → 2TO3 min. UNDER 5 CYCLES.	1)NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 2)CONTACT RESISTANCE: 75mΩ MAX	X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90TO95 %RH FOR 240 h.	3)VOLTAGE PROOF: 125 V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN.	X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPLAY FOR 48±4 h.	4) INSULATION RESISTANCE: 10 MΩ MIN.	X	—
RESISTANCE TO SOLDERING HEAT		HAND SOLDERING: SOLDER TEMPARATURE 380 °C MAX CONTACT SHOULD BE SOLDERED WITHIN 2 s WITHOUT PRESSURE. SOLDER MUST NOT BE ADHERED TO HOUSING.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
Note.1 Storage temperature range shows storage condition for unused products including packing materials. Follow the operating temperature range for storage condition after mounting.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	NM. NISHIMATSU	17. 02. 28
			CHECKED	NM. NISHIMATSU	17. 02. 28
			DESIGNED	TS. IT0	17. 02. 28
			DRAWN	TS. IT0	17. 02. 28
Unless otherwise specified, refer to IEC 60512.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC-121250-50-00	
HRS	SPECIFICATION SHEET		PART NO.	3240N-16P-CA (4. 0) (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL232-0103-4-50	△ 1/1