

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO 85°C	STORAGE TEMPERATURE RANGE - °C TO - °C		
	VOLTAGE	125VAC	OPERATING HUMIDITY RANGE - % TO - %		
	CURRENT	1A	APPLICABLE CABLE —		
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	
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA (DC OR 1000 Hz).	40 mΩ MAX.	X	X	
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN.	X	—	
VOLTAGE PROOF	350 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X	
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 29.4 N MAX. EXTRACTION FORCE 29.4 N MAX.	X	—	
MECHANICAL OPERATION	20000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 60 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
VIBRATION	FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10μs. 2) CONTACT RESISTANCE : 60 mΩ MAX	X	—	
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.	3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—	
ENVIRONMENTAL CHARACTERISTICS					
DRY HEAT	EXPOSED AT 85°C , 500 h	1) CONTACT RESISTANCE : 60 mΩ MAX	X	—	
DAMP HEAT (STEADY STATE)	EXPOSED AT 60°C , 90~95%, 96h	2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY)			
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 15-35 → +85 → 15-35 °C TIME 30 → 10-15 → 30 → 10-15 min. UNDER 5 CYCLES.	3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h.	1) CONTACT RESISTANCE : 60mΩ MAX.	X	—	
MIXED GAS CORROSION	EXPOSED IN SO ₂ 10 ppm , H ₂ S 3ppm 70 ~ 80% R H, FOR 96 h	2) NO HEAVY CORROSION.			
COUNT		DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARK		APPROVED	SR. KIKUTA	07. 06. 05	
		CHECKED	SJ. SHIMIZU	07. 06. 05	
		DESIGNED	TS. ITO	07. 06. 04	
		DRAWN	TS. ITO	07. 06. 04	
Unless otherwise specified, refer to JIS C 5402.			DRAWING NO.	ELC4-120892-04	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			PART NO.	3560-16P-PG (57)	
HRS SPECIFICATION SHEET			CODE NO.	CL235-0016-0-57	△ 1/1
HIROSE ELECTRIC CO., LTD.					