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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	— °C TO — °C	STORAGE TEMPERATURE RANGE	— °C TO — °C	
	VOLTAGE	300 V AC , 420 V DC	OPERATING HUMIDITY RANGE	— % TO — %	
	CURRENT	3 A	APPLICABLE CABLE	—	
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 (DC OR 1000 Hz).	10 mΩ MAX.	×	×
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX 1 mA (DC OR 1000Hz).		×	—
INSULATION RESISTANCE		500 V DC.	1000 MΩ MIN.	×	×
VOLTAGE PROOF		1000 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	×	×
MECHANICAL CHARACTERISTICS					
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: 15 mΩ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
VIBRATION		FREQUENCY 10 TO 55 Hz SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SHOCK		490 m/s <sup>2</sup> DIRECTION OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		×	—
ENVIRONMENTAL CHARACTERISTICS					
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5~35 → 85 → 5~35 °C. TIME 30 → 2~ 3 → 30 → 2~ 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 25~65°C , 90~95 % , 240 h.	1) INSULATION RESISTANCE: 1 MΩ MIN (AT HIGH HUMIDITY). 1000 MΩ MIN (AT DRY). 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	×	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
①					
REMARK  Unless otherwise specified, refer to JIS C 5402.			APPROVED	HO. MIWA	06.07.27
			CHECKED	HO. MIWA	06.07.27
			DESIGNED	YH. ENAMI	06.07.27
			DRAWN	YH. ENAMI	06.07.27
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-008276-01
HRS	SPECIFICATION SHEET		PART NO.	PR-1660BA-STAR (50)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL216-0500-5-50	 1/1