APPLICAB	LE STANDAF	RD									
OPERATING		$1 1 2 40^{\circ}C 10 +105^{\circ}C 1$		STORAGE			2 > -55°C TO +85°C				
	TEMPERATURE RANGE				TEMPERATURE RANGE			2 00 0 10 100			
RATING	VOLTAGE		AC 600 V , DC 600 V								
	CURRENT	AWG#16(UL1015) 20pos. : 6 A APPL			APPL I CABL	_E CABLE	(11)	AWG#16 TO AWG#		L /	
					TIONS		(UL-	STYLE : UL1007 ,	ULTUT	5)	
<u> </u>		1		CIFICA	TIONS				1	T . =	
	EM	TEST METHOD				REQUIREMENTS C				AT	
CONSTRU		T							Тх	Ιx	
GENERAL EXAM	INATION				ACCOR	ACCORDING TO DRAWING.				$\frac{1}{x}$	
MARKING	AL CHARAC	CONFIRMED VISUALLY.							Х	1 ^	
LLLOTRIO	AL CHAINAC	TERISTICS			3	3 > 10 mΩ MAX. (CONTACT SPACING)				Τ-	
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz) MAX.				3 > 50 mΩ MAX. (SHELL SPACING)			Х	-	
INSULATION R	ESISTANCE	500 V DC.			5000	MΩ MIN.				↓-	
VOLTAGE PROOF					NO FL	NO FLASHOVER OR BREAKDOWN.				-	
MECHANIC	CAL CHARAC	TERIST	ics								
CONTACT INSE	RTION AND	APPRICABLE CONTACT.			INSER	INSERTION FORCE : 3 N MAX.			X	-	
WITHDRAWAL F	ORCES				WITHD	RAWAL FORCE : 1 N MIN.					
CONNECTOR IN		APPRICABL	E CONNECTOR.		INSER	ERTION FORCE : 98 N MAX.				-	
WITHDRAWAL F						WITHDRAWAL FORCE: 14.7 N MIN.				-	
CONTACT (LANC			NTACT BY 49 N (1 min.)		I -	CONTACTS SHOULD BE RETAINED.				-	
RETENTION FO	RCES	FROM WIRI				DAMAGE, CRA	CK AND LOO	SENESS OF PARTS.		+	
CONDUCTOR PRI	ESSURE BONDING		CABLE ONLY AT THE CONDUCTO		I(1) AW	VG#16 : 147 N	MIN.				
FORCES			ALL EXCEED THE SPECIFICATION	I WHEN PUL	L FORCE 2 AW	② AWG#18 : 98 N MIN.			×	-	
		IS APPLIE		DIDECTION	N EOD A (1) CO	MILIONS STOVEN	N DE DETAII	JED.		+	
CABLE CLAMP	STRENGTH	APPLY PULL FORCE OF 98 N IN MATING DIRECTION FOR A MINUTE.			"	(1) CONTACTS SHOULD BE RETAINED. (2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				-	
		MINOIL.	Δ								
MECHANICAL O	PERATION	500 TIMES INSERTIONS AND WITHDRAWALS.			كا	,	① CHANGE IN CONTACT RESISTANCE OF CONTACTS : $20 \text{ m}\Omega$ MAX.			۱.	
INCONTRICTORE OF	LIGHTON	OOO TTIME	THOUNTONS AND ATTRIBUTANCES.	•	② NO			SENESS OF PARTS.			
		FREQUENCY	: 10 TO 55 Hz, SINGLE AMPL	ITUDE 0.75	5 mm	•					
VIBRATION		AT 2 h. FOR 3 DIRECTIONS.			① N0	1) NO ELECTRICAL DISCONTINUITY OF 10 µs.				-	
		(REFERENC	E FOR APPENDED FIGURE)		2 NO) DAMAGE, CRA	CK AND LOO	SENESS OF PARTS.			
CHOOK		IN OPPOSITE DIRECTIONS OF EACH 6 DIMENSION AXIS FOR			S FOR ① NO	① NO ELECTRICAL DISCONTINUITY OF 10 μs .					
SH0CK		3 TIMES A	T 490 m/s ² DURACTIONS OF PUL	.SE 11 ms.	② NO	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
H . H	.		SCRIPTION OF REVISIONS DESIG		DESIGNED	SNED		CHECKED		DATE	
4 11		DIS-E-004710 YH. MA			YH. MAMADA			AH. KODAMA		13. 06. 24	
REMARK						APPROVE		KN. ICHIKAWA	10.09.		
1					TIW NOITIDN	TH CHECKE	D	KN. ICHIKAWA	10.09.		
APPLICABLE	CRIMP CONTA					DESIGNED		TY. MIURA	10. 09. 29		
Unless otherwise specified, ı			, refer to JIS C 5402.			DRAWN		TF. HIGASHIYAMA 10		09. 27	
Note QT:Q	Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAW	RAWING NO.		ELC4-126922-00				
HS.		PECIFICATION SHEET PART			PART NO.	NO. PQ50-1618S				1	
	LHIR	ROSE ELECTRIC CO., LTD.			CODE NO.	CL2	CL236-2008-0-00		Δ	1/3	

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ				
ENVIRONMENTAL C	CHARACTERISTICS							
RAPID CHANGE OF TEMPERATURE	TEMPERATURE $-55 \rightarrow 15$ TO $35 \rightarrow 105 \rightarrow 15$ TO 35 °C TIME $30 \rightarrow 2$ TO $3 \rightarrow 30 \rightarrow 2$ TO 3 min. UNDER 5 CYCLES.	3 ① CHANGE IN CONTACT RESISTANCE OF CONTACTS : 20 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-				
HEAT RESISTANCE	EXPOSED AT 105 °C \pm 2 °C, 96 h, AND MATING THE APPLICABLE CONNECTORS.	3 ① CHANGE IN CONTACT RESISTANCE OF CONTACTS: 20 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-				
COLD RESISTANCE	EXPOSED AT $-55~^{\circ}\text{C}~\pm~3~^{\circ}\text{C},~96~\text{h},~\text{AND}~\text{MATING}~\text{THE}$ APPLICABLE CONNECTORS.	3 ① CHANGE IN CONTACT RESISTANCE OF CONTACTS : 20 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ⚠ ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-				
HUMIDITY	EXPOSED AT 60 °C \pm 2 °C, 90 TO 95 %, 96 h, AND MATING THE APPLICABLE CONNECTORS.	3 ① CHANGE IN CONTACT RESISTANCE OF CONTACTS: 20 mΩ MAX. ② INSULATION RESISTANCE: 1000 MΩ MIN. (AFTER IT DRIER) Δ ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-				
MIXED FLOWING GUS	EXPOSED IN SO ₂ 10 ppm, H ₂ S 3 ppm, 70 TO 80 %, 24 h, AND MATING THE APPLICABLE CONNECTORS.	NO HEAVY CORROSIN RUIN THE FUNCTION.	Х	-				
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h, AND MATING THE APPLICABLE CONNECTORS.	NO HEAVY CORROSIN RUIN THE FUNCTION.	Х	-				
② INCLUDE TEMPER ③ SPECIFICATIONS 2 PACKING MATERIALS	ERFORMANCE IS GUARANTEED ONLY IN THE TEMPERATURE ADEQUATE RATURE RISE CAUSED BY CURRENT-CARRYING. S FOR ASSEMBLED ITEM WITH APPLICABLE HOUSING. S ARE NOT INCLUDED. RESISTANCE IS NOT INCLUDED.	PEOPLE'S ACTIVITIES.						

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC4-126922-00		
HS	SPECIFICATION SHEET	PART NO.	PQ50-1618SCFA			
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL236	5-2008-0-00	4	2/3

