APPLICAB	LE STANDAI	RD								
	OPERATING TEMPERATURE RANGE VOLTAGE		1> -40°C TO +105°	С	STORAGE		2> -55°C TO +85	5°C		
RATING			AC 600 V , DC 600 V		TEMPERA	TURE RANGE				
INATING	VOLTAGE						AWG#16 TO AWG#	:18		
	CURRENT		AWG#16(UL1015) 20pos. : 6 A APP		APPLICA	BLE CABLE	(UL-STYLE : UL1007 ,		5)	
			SPEC	CIFICA	TIONS					
<u> </u>	TEM		TEST METHOD	311 107 1		RF	QUIREMENTS	QT	AT	
CONSTRU		TEST METHOD				TREGOTREMENTO Q1			1 / (1	
	GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.					Х	X	
MARKING			VISUALLY.	<u> </u>	ACCO	ORDING TO DRAW	ING.	Х	X	
	CAL CHARAC									
CONTACT RESI	CONTACT RESISTANCE		100 mA (DC OR 1000 Hz) MAX.			3 10 mΩ MAX. (CONTACT SPACING)			-	
INSULATION R	ESISTANCE	500 V DC.				0 MΩ MIN.	> 50 m\text{ max. (Shell spacing)} \times \text{X} \text{M\text{\$\Omega\$ min.}} \text{X}			
VOLTAGE PROO						LASHOVER OR BREAKDOWN.			† -	
	CAL CHARA	•							<u> </u>	
CONTACT INSE					INSE	ERTION FORCE	: 3 N MAX.			
WITHDRAWAL F		APPR I CABL	E CONTACT.			HDRAWAL FORCE		Х	-	
CONNECTOR IN							TION FORCE : 98 N MAX.			
WITHDRAWAL F	ORCES	APPR I CABL	E CONNECTOR.		WITH	/ITHDRAWAL FORCE : 14. 7 N MIN.				
CONTACT (LANC	E)	PULL A CO	ONTACT BY 49 N (1 min.)		10 (CONTACTS SHOUL	D BE RETAINED.			
RETENTION FO	RCES	FROM WIRI	NG SIDE.		② N	NO DAMAGE, CRA	CK AND LOOSENESS OF PARTS.	X	-	
CONDUCTOR DR	FCCUPE DONDING	CRIMP THE	CABLE ONLY AT THE CONDUCTO	R, AND RE	ETENTION	AWO#10 + 147 N	шы			
FORCES	ESSURE BONDING	FORCE SHA	ALL EXCEED THE SPECIFICATION	I WHEN PUL	_L FORCEI	AWG#16 : 147 N AWG#18 : 98 N		Х	-	
FUNUES		IS APPLIE	D.		(Z) F	AWU#10 . 90 N	MIN.			
CABLE CLAMP	STRENGTH	APPLY PUL	LL FORCE OF 98 N IN MATING	DIRECTIO	ON FOR A 1 (1) (CONTACTS SHOUL	D BE RETAINED.	X	-	
CABLE GEALINI	- TALINGTH	MINUTE.			———		CK AND LOOSENESS OF PARTS.		_	
			Δ		<u> </u>		IN CONTACT RESISTANCE OF	l _×		
MECHANICAL O	PERATION	500 TIMES	S INSERTIONS AND WITHDRAWALS.	•		CONTACTS : 20 mΩ MAX.			-	
						NO DAMAGE, CRA	CK AND LOOSENESS OF PARTS.		<u> </u>	
		FREQUENCY: 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm,			5 mm, 🕕 🕦 N	① NO ELECTRICAL DISCONTINUITY OF 10 μs.				
VIBRATION			OR 3 DIRECTIONS.		2 N	NO DAMAGE, CRA	CK AND LOOSENESS OF PARTS.	X	-	
		<u> </u>	CE FOR APPENDED FIGURE) TE DIRECTIONS OF EACH 6 DIM	ENCLON AV	IC FOR (1) N	NO ELECTRICAL	DISCONTINUITY OF 10		 	
SH0CK			TE DIRECTIONS OF EACH & DIWI T 490 m/s² DURACTIONS OF PUL		I	① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			-	
					DESIGNE		CHECKED		ATE	
4 9		DIS-E-004710 YH. MA		YH. MAMADA		AH. KODAMA				
REMARK	E01516 : == : : :				NOTE	APPROV			2. 04	
					MOTITON M	01120112		_	2.04	
	E CRIMP CONTA					DESIGNE			2. 04	
Unless otherwise specified,			d, refer to JIS C 5402.			DRAW				
Note QT:Qualification Test AT:Assurance Test X:Applicable Test D					WING NO.	ELC4-128185-00				
HRS	SI	PECIFI	ECIFICATION SHEET PAR			D.	PQ50A-1618PCA			
HIR		OSE ELECTRIC CO., LTD.		CODE NO	o. CL2	236-2040-2-00	Δ	1/3		

	SPECIFICATION	S		
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
ENVIRONMENTAL C	HARACTERISTICS		•	
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.	X	-
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.	X	-
COLD RESISTANCE	EXPOSED AT -55 °C \pm 3 °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.	X	-
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) ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	-
MIXED FLOWING GUS	EXPOSED IN SO ₂ 10 ppm, H ₂ S 3 ppm, 70 TO 80 %, 24 h, AND MATING THE APPLICABLE CONNECTERS.	NO HEAVY CORROSIN RUIN THE FUNCTION.	×	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h, AND MATING THE APPLICABLE CONNECTORS.	NO HEAVY CORROSIN RUIN THE FUNCTION.	×	-
② INCLUDE TEMPERA ③ SPECIFICATIONS ② PACKING MATERIALS	REFORMANCE IS GUARANTEED ONLY IN THE TEMPERATURE ADEQUATE ATURE RISE CAUSED BY CURRENT-CARRYING. FOR ASSEMBLED ITEM WITH APPLICABLE HOUSING. ARE NOT INCLUDED. ESISTANCE IS NOT INCLUDED.	PEOPLE'S ACTIVITIES.		

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC4-128185-00		
HS.	SPECIFICATION SHEET	PART NO.	PQ50A-1618PCA			
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL236	5-2040-2-00	4	2/3

