APPLICAE	BLE STANDA	RD								
OPERATING TEMPERATURE RANGE		RANGE	1> -40°C TO +105°C		RAGE IPERATURE	RANGE		2> -55°C TO +	85°C	
RATING	VOLTAGE		300 V AC , 300 V DC	11211		— KANGE		_		
CURRENT			AWG#18 (UL1007) : 12.5 A/P	IN APF	PPLICABLE CABLE			AWG#18 TO AWG (UL-STYLE : UL		
			SPECIFIC		IS.			(UL-STILL : UL	1007)	
l-			TEST METHOD	<u> </u>	<u> </u>	DE		MENTS	QT	AT
ITEM CONSTRUCTION			TEST WETTIOD			IXL	QUIINE	INILIVIO	Qı	Ι Λ Ι
GENERAL EXAM		VISUALLY	AND BY MEASURING INSTRUMENT.						Х	Х
MARKING			VISUALLY.		ACCORDII	NG TO DRAW	ING.		Х	Х
	CAL CHARAC									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz) MAX.				3 > 5 mΩ MAX. (CONTACT SPACING) 3 > 40 mΩ MAX. (SHELL SPACING)			X	-
INSULATION R	ESISTANCE	500 V DC.			5000 MΩ				Х	-
VOLTAGE PROOF		+				HOVER OR BI	REAKDOWN	l.	Х	-
MECHANI	CAL CHARA	CTERIST	TICS		1					-1
CONTACT INSE	RTION AND	100010101	E CONTACT		INSERTIO	ON FORCE	: 3 N	MAX.	Х	
WITHDRAWAL F	ORCES	APPRICABL	E CONTACT.		WITHDRAN	THDRAWAL FORCE : 0.3 N MIN.				
CONNECTOR IN	SERTION AND	ADDDICARI	E CONNECTOR.		INSERTIO	SERTION FORCE : 98 N MAX.				_
WITHDRAWAL F	ORCES	AFFRIGADE	E CONNECTOR.		WITHDRAN	WAL FORCE	: 14.7 N	MIN.	Х	
CONTACT (LANC		RATE OF 2				29. 4N MIN			х	-
			WHEN THE TERMINAL IS PULL OUT. CABLE ONLY AT THE CONDUCTOR, AN	IN DETENTIO	N ① AWC#	10 : 00	N MIN			
CONDUCTOR PR	ESSURE BONDING		LL EXCEED THE SPECIFICATION WHEN PU		_				X	_
FORCES		APPLIED.	LE EXCEPTIFE OF EATH TOXITON WILLIAM	SEE TOROL I	3 AWG#22 : 35.6 N MIN.					
		+	LL FORCE OF 98 N IN MATING DIREC	CTION FOR				AINED.		
CABLE CLAMP	STRENGTH	MINUTE.			② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.					-
						3 ① CHANGE IN CONTACT RESISTANCE OF				
MECHANICAL O	PERATION	500 TIMES INSERTIONS AND EXTRACTIONS.				CONTACTS : 10 mΩ MAX.				
					② NO D	AMAGE. CRA	CK AND L	OOSENESS OF PARTS.		
		FREQUENCY	EQUENCY : 10 TO 55 Hz, SINGE AMPLITUDE 0.75 mm,			① NO ELECTRICAL DISCONTINUITY OF 10 μs.				
VIBRATION		AT 2 h, FOR 3 DIRECTIONS.			② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.				Х	-
		(REFERENC	E FOR APPENDED FIGURE)		ļ					
SHOCK			IN OPPOSITE DIRECTIONS OF EACH 6 DIMENSION AXIS FOR			① NO ELECTRICAL DISCONTINUITY OF 10 µs.			Х	-
		3 TIMES A	S AT 490 m/s ² DURACTIONS OF PULSE 11 ms.			AMAGE. CRA	CK AND L	OOSENESS OF PARTS.		
COUNT DESCRIPTION		ON OF REVISIONS DESIGNE		GNED			CHECKED	DA	ATE	
\triangle										
REMARK				APPROV	ED	MN. KENJO	202	11222		
			E VALUES IN ASSEMBLED CONDITION WITH			CHECKE		KG. OKITA	202	11221
APPLICABLE CRIMP CONTACTS.						DESIGN	ED	HY. MATSUDA	202	11221
Unless otherwise specified, ref			efer to IEC 60512.			DRAWI	N	HY. MATSUDA	202	11221
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			С	RAWIN	RAWING NO. ELC-397155-00-			-00-0	0	
HS.	S	PECIF	ICATION SHEET PART				PQ	50S2-1822PCF	Α	
11.	HIR	OSE E				NO CL 0236-0035-0-00				1/3

	SPECIFICATION	S		
ITEM	TEST METHOD	REQUIREMENTS		АТ
ENVIRONMENTAL CHA	RACTERISTICS			
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 : 10 mΩ MAX. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	x	-
HEAT RESISTANCE	EXPOSED AT 105 °C \pm 2 °C, 96 h, AND COMBINE THE APPLICABLE CONNECTORS.	3 ① CHANGE IN CONTACT RESISTANCE OF CONTACTS : 10 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	х	1
COLD RESISTANCE	EXPOSED AT -55 °C \pm 3 °C, 96 h, AND COMBINE THE APPLICABLE CONNECTORS.	3 ① CHANGE IN CONTACT RESISTANCE OF CONTACTS : 10 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 COMBINE THE APPLICABLE CONNECTORS.	3 ① CHANGE IN CONTACT RESISTANCE OF CONTACTS : 10 mΩ MAX. ② INSULATION RESISTANCE : 1000 MΩ MIN. (AFTER IT DRIER) ③ NO DAMAGE. CRACK AND LOOSENESS OF PARTS.	х	-
MIXED FLOWING GAS	EXPOSED IN SO $_2$ 10 ppm, H $_2$ S 3 ppm, 70 TO 80 %, 24 h, AND COMBINE THE APPLICABLE CONNECTORS.	NO HEAVY CORROSION RUIN THE FUNCTION.	х	-
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h, AND COMBINE THE APPLICABLE CONNECTORS.	NO HEAVY CORROSION RUIN THE FUNCTION.	Х	-

1 THE PRODUCT PERFORMANCE IS GUARANTEED ONLY IN THE TEMPERATURE ADEQUATE PEOPLE'S ACTIVITIES.

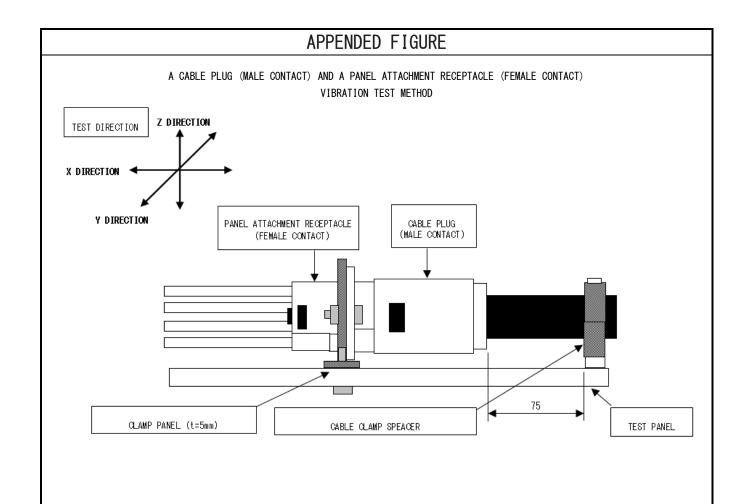
② INCLUDE TEMPERATURE RISE CAUSED BY CURRENT-CARRYING.

3 SPECIFICATIONS FOR ASSEMBLED ITEM WITH APPLICABLE HOUSING.

2 PACKING MATERIALS ARE NOT INCLUDED.

3 CABLE CONDUCTOR RESISTANCE IS NOT INCLUDED.

Note Q	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC-397155-00-00			
R	SPECIFICATION SHEET	PART NO.	PQ50S2-1822PCFA				
31	HIROSE ELECTRIC CO., LTD.	CODE NO	CL023	6-0035-0-00	Δ	2/3	



Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-397155-00-00			
HS.	SPECIFICATION SHEET		PQ50S2-1822PCFA				
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO	CL023	6-0035-0-00	Δ	3/3	