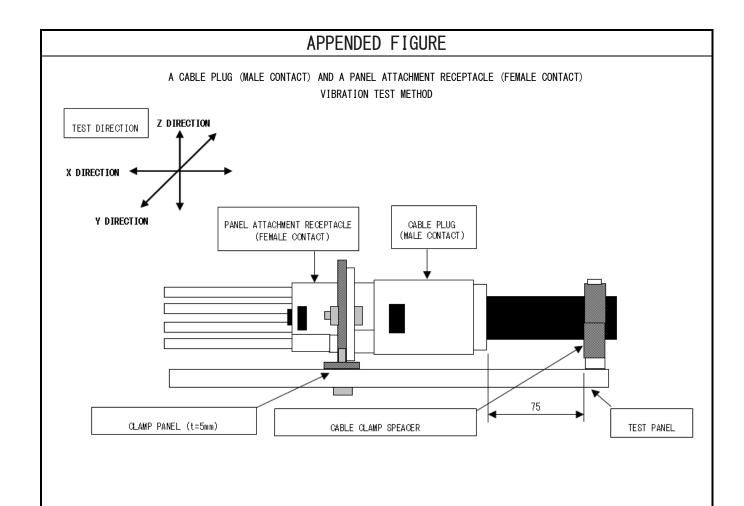
APPLICAB	BLE STANDAI	RD								
	OPERATING TEMPERATURE	RANGE	1 \ 400C TO 110E0C		RAGE PERATURE RANGE		2> -55°C TO +85°C			
RATING	VOLTAGE		300 V AC , 300 V DC			_		_		
IATING	CURRENT			ing APP	LICABLE	CABLE		AWG#24 TO AWG#28		
			capacity of cable.	Λ ΤΙ <b>Ο</b> Ν	10					
			SPECIFICA	ATION	10					T
	TEM		TEST METHOD			RE	QUIREM	:NIS	QT	AT
CONSTRU		VICUALLY	VALUE V AND DV METANDING MICEDIMENT							Х
GENERAL EXAM	INATION					ACCORDING TO DRAWING.				X
MARKING ELECTRIC	CAL CHARAC	CONFIRMED VISUALLY.			1				Х	^
LLLOTRIC	AL OHARAO	LINIOTI			3>	5 mO MAY	(CONTACT	SDACING)	Х	1 -
CONTACT RESIS	STANCE	100 mA (DC OR 1000 Hz) MAX.				3 > 5 mΩ MAX. (CONTACT SPACING)  3 > 40 mΩ MAX. (SHELL SPACING)				-
INSULATION R	ESISTANCE	500 V DC.			5000 MΩ	5000 MΩ MIN.				-
VOLTAGE PROOF			200 V AC. FOR 1 min.			NO FLASHOVER OR BREAKDOWN.				-
MECHANI	CAL CHARAC	CTERIST	TICS		1					
CONTACT INSE	RTION AND	APPRICABI	E CONTACT.		INSERTI	INSERTION FORCE : 3 N MAX.				
WITHDRAWAL F	ORCES	711 T TOTAL	E GONTAGE.		WITHDRA	WITHDRAWAL FORCE : 0.3 N MIN.				
CONNECTOR INS		APPR I CABL	E CONNECTOR.			ISERTION FORCE : 98 N MAX. ITHDRAWAL FORCE : 14.7 N MIN.				-
00017407 (1400	<b>5</b> )	APPLY AXI	AL PULL OUT FORCE AT THE SPEED							
CONTACT (LANCI RETENTION FOR		RATE OF 25mm/min TO THE TERMINAL, AND MEASURE			29.4N M	29. 4N MIN			Х	-
INCIDENTION TO	NOLS	THE FORCE	WHEN THE TERMINAL IS PULL OUT.							
CONDUCTOR PRI	ESSURE BONDING	CRIMP THE	E CABLE ONLY AT THE CONDUCTOR, AND	RETENTIO	N ① AWG#	24 : 22.3	N MIN.			
FORCES			LL EXCEED THE SPECIFICATION WHEN PULL	FORCE IS	_				X	-
		APPLIED.			_	28 : 8.9				
CABLE CLAMP	STRENGTH	APPLY PUL MINUTE.	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.			Х	-
					3>	① CHANGE I	N CONTACT	RESISTANCE OF		
MECHANICAL O	PERATION	500 TIMES	500 TIMES INSERTIONS AND EXTRACTIONS.			CONTACTS : 10 mΩ MAX.			Х	-
					② NO D	AMAGE. CRAC	K AND LOOS	SENESS OF PARTS.		
		FREQUENCY	: 10 TO 55 Hz, SINGE AMPLITUDE 0.75	mm,	① NO E	LECTRICAL D	ISCONTINUI	TY 0F 10 μs.		
VIBRATION		AT 2 h, FOR 3 DIRECTIONS.			② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.				X	-
			(REFERENCE FOR APPENDED FIGURE)			© 10 51 50551011 0100015111111511 05 40				
SHOCK			IN OPPOSITE DIRECTIONS OF EACH 6 DIMENSION AXIS FOR 3 TIMES AT 490 m/s <sup>2</sup> DURACTIONS OF PULSE 11 ms.			① NO ELECTRICAL DISCONTINUITY OF 10 μs. ② NO DAMAGE. CRACK AND LOOSENESS OF PARTS.				-
COUN	NT DE	SCRIPTI	ON OF REVISIONS	DESI	GNED		C	HECKED	D/	ATE
⚠										
REMARK						APPROVE		MN. KENJO	2021	11222
			THE VALUES IN ASSEMBLED CONDITION WITH			CHECKED		KG. OKITA	2021	11221
APPLICABLE CRIMP CONTACTS.						DESIGNED		HY. MATSUDA	2021	11221
Unless otherwise specified, re		cified, re	efer to IEC 60512.			DRAWN		HY. MATSUDA	2021	11221
Note QT:C	Qualification Tes	st AT:As	surance Test X:Applicable Test	D	RAWIN	IG NO.	E	LC-397383-	00-00	0
HS.	SI	PECIFI	ICATION SHEET	T NO.	FNO. PQ50SA2-2428		SA2-2428PC	Α		
1110	HIROSE E		LECTRIC CO., LTD.		E NO.	CLO	CL0236-0049-0-00			1/3

	SPECIFICATION	S		
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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.	х	-
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	-
COLD RESISTANCE	EXPOSED AT $-55~^{\circ}\text{C}~\pm~3~^{\circ}\text{C},~96~\text{h},~\text{AND}~\text{COMBINE}$ THE APPLICABLE CONNECTORS.	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	-
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 QT:	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-397383-00-00		
RS	SPECIFICATION SHEET	PART NO.	rno. PQ50SA2-2428PCA			
11.	HIROSE ELECTRIC CO., LTD.	CODE NO	CL023	6-0049-0-00	$\triangle$	2/3



Note QT:C	Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-397383-00-00		
HS	SPECIFICATION SHEET	PART NO.	PQ50SA2-2428PCA			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO	CL023	6-0049-0-00	Δ	3/3