CONSTRUCTION   CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT.   ACCORDING TO DRAWING.   X   X   X   X   X   X   X   X   X	APPLICA	BLE STANI	DARD												
RATING		-						40 °C TO					<b>O</b> (2)		
RATING   CURRENT		TEMPERATURE RANGE		-55 °C 10 85 °C	°C (1)					-10 °C	10	60 9	C (2)		
CURRENT   2 A   RANGE   40 % TO 70 % ®	RATING	VOLTAGE		200 V AC			RANGE			40 % TO 80 %				%.	
ITEM		CURRENT		2 <b>A</b>					40 % TO 70 9				<b>%</b> <sup>(2)</sup>		
ITEM	SPECIFICATIONS														
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	IT!	FM													
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				TEGT METHOD	•		REGUIREMENTS						α.	, , , ,	
MARKING CONFIRMED VISUALLY. ELECTRIC CHARACTERISTICS  CONTACT RESISTANCE   100 mA (DC OR 1000 Hz).			VISUALLY AND BY MEASURING INSTRUMENT				ACCORDING TO DRAWING.						×	×	
CONTACT RESISTANCE         100 mA (DC OR 1000 Hz).         15 m Ω MAX.         ×           INSULATION         500 V DC         1000 MΩ MIN.         ×           RESISTANCE         VOLTAGE PROOF         650 V AC FOR 1 min.         NO FLASHOVER OR BREAKDOWN.         ×           MECHANICAL OPERATION         100 TIMES INSERTIONS AND EXTRACTIONS.         ⊕CONTACT RESISTANCE: 20 mΩ MAX.         ×           VIBRATION         FREQUENCY 10 TO 55 Hz, AMPLITUDE: 1.5 mm, AT 2 h FOR 3 DIRECTIONS.         ⊕DON ELECTRICAL DISCONTINUITY OF 1 μs.         ×           SHOCK         490 m/s², DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.         OF PARTS.         ×           ENVIRONMENTAL CHARACTERISTICS         DAMP HEAT         EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.         ⊕CONTACT RESISTANCE: 20 mΩ MAX.         ×           (STEADY STATE)         RAPID CHANGE OF TIME 30 → 10~15 → 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.         ⊕CONTACT RESISTANCE: 20 mΩ MAX.         ×           CORROSION SALT MIST         EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.         ⊕CONTACT RESISTANCE: 20 mΩ MAX.         ×           SULPHUR DIOXIDE         EXPOSED IN 10 PPM FOR 96 h.         ⊕CONTACT RESISTANCE: 20 mΩ MAX.         ×           SULPHUR DIOXIDE         EXPOSED IN 10 PPM FOR 96 h.         ⊕CONTACT RESISTANCE: 20 mΩ MAX.         ×           SULPHUR DIOXIDE         EXPOSED IN 10 PPM FOR 96 h.         ⊕CO													×	×	
INSULATION   RESISTANCE   500 V DC   1000 MΩ MIN.   ×   X   X   X   X   X   X   X   X   X	LECTRIC	CHARACT	FERISTICS												
RESISTANCE VOLTAGE PROOF 650 V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN.  MECHANICAL CHARACTERISTICS  MECHANICAL OPERATION  100 TIMES INSERTIONS AND EXTRACTIONS. OPERATION  FREQUENCY 10 TO 55 Hz, AMPLITUDE: 1.5 mm, AT 2 h FOR 3 DIRECTIONS.  SHOCK  490 m/s², DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.  ENVIRONMENTAL CHARACTERISTICS  DAMP HEAT (STEADY STATE)  RAPID CHANGE OF TEMPERATURE  TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min. UNDER 5 CYCLES.  CORROSION SALT MIST  EXPOSED IN 10 PPM FOR 96 h. SULPHUR DIOXIDE  EXPOSED IN 10 PPM FOR 96 h. CESTSTANCE TO SOLDERING HEAT  SOLDERING HEAT  SOLDER BATH-SOLDER TEMPERATURE, 29 SOLDER BATH-SOLDER TEMPERATURE, 20 SULDER A SOLDER TEMPERATURE, 20 SULDER A SOLDER TEMPERATURE, 20 SULDER A SOLDER TEMPERATURE, 21 SOLDER A MINIMUM OF 95 % OF  A NEW UNIFORM COATING OF SOLDER  SHALL COVER A MINIMUM OF 95 % OF	ONTACT R	ESISTANCE	·				15 mΩ MAX.						×	_	
MECHANICAL CHARACTERISTICSMECHANICAL OPERATION100 TIMES INSERTIONS AND EXTRACTIONS.©CONTACT RESISTANCE: 20 mΩ MAX.×VIBRATIONFREQUENCY 10 TO 55 Hz, AMPLITUDE: 1.5 mm, AT 2 h FOR 3 DIRECTIONS. $(1)$ NO ELECTRICAL DISCONTINUITY OF 1 µs.×SHOCK $(1)$ 490 m/s², DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. $(1)$ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.×ENVIRONMENTAL CHARACTERISTICS $(1)$ CONTACT RESISTANCE: 20 mΩ MAX.×DAMP HEAT $(1)$ EXPOSED AT $(1)$ 40 ± 2 °C, 90 ~ 95 %, 96 h. $(1)$ CONTACT RESISTANCE: 20 mΩ MAX.×(STEADY STATE) $(1)$ TEMPERATURE-55 → +15 $(1)$ +35 → +85 → +15 $(1)$ +35 °C $(1)$ CONTACT RESISTANCE: 20 mΩ MAX.×RAPID CHANGE OFTEMPERATURE-55 → +15 $(1)$ +35 → 30 → 10 $(1)$ 10 min. UNDER 5 CYCLES. $(1)$ CONTACT RESISTANCE: 20 mΩ MAX.×CORROSION SALT MISTEXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. $(1)$ CONTACT RESISTANCE: 20 mΩ MAX.×SULPHUR DIOXIDEEXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39) $(1)$ CONTACT RESISTANCE: 20 mΩ MAX.×RESISTANCE TO SOLDER BATH:SOLDER TEMPERATURE, 280 DEFENSION, DURATION, 10 ± 1s. $(1)$ SOLDER BATH:SOLDER TEMPERATURE, 290 DEFENSION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.SOLDERING IRONS: 350 °C FOR 3 s MAX.TERMINALS.×SOLDERED AT SOLDER TEMPERATURE, 245 ± 3 °C,A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF			500 V DC				1000 MΩ MIN.						×	-	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	OLTAGE PI	ROOF	650 V AC FOR 1 min.					ASHOV	ER OF	R BREAKDOV	VN.		×	_	
OPERATION  PREQUENCY 10 TO 55 Hz, AMPLITUDE: 1.5 mm, AT 2 h FOR 3 DIRECTIONS.  SHOCK  490 m/s², DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.  ENVIRONMENTAL CHARACTERISTICS  DAMP HEAT (STEADY STATE)  RAPID CHANGE OF TEMPERATURE  TIME 30 → 10 ~ 15 → 30 → 10 ~ 15 min. UNDER 5 CYCLES.  CORROSION SALT MIST  EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)  RESISTANCE TO SOLDERING HEAT  2 NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  *  OCONTACT RESISTANCE: 20 mΩ MAX. 2 (INSULATION RESISTANCE: 1000 MΩ MIN. 3 NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  *  OF PARTS.  *  OF PARTS.  *  OCONTACT RESISTANCE: 20 mΩ MAX. 2 (INSULATION RESISTANCE: 20 mΩ MAX. 2 (INSULATION RESISTANCE: 20 mΩ MAX. 2 (INSULATION RESISTANCE: 20 mΩ MAX. 3 NO DAMAGE, CRACK AND LOOSENESS OF PARTS.  *  OF	/ECHANI	CAL CHARA	ACTERISTICS												
VIBRATION			100 TIMES INSERTIONS AND EXTRACTIONS.					ITACT F	RESIS	TANCE: 20 m	Ω ΜΑ	X.	×	_	
AMPLITUDE: 1.5 mm, AT 2 h FOR 3 DIRECTIONS. 2NO DAMAGE, CRACK AND LOOSENESS SHOCK 490 m/s², DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS. 2NO DAMAGE, CRACK AND LOOSENESS OF PARTS. $\times$ ENVIRONMENTAL CHARACTERISTICS DAMP HEAT EXPOSED AT $40\pm2$ °C, $90\sim95$ %, $96$ h. $(STEADY STATE)$ EXPOSED AT $40\pm2$ °C, $90\sim95$ %, $96$ h. $(STEADY STATE)$ EXPOSED AT $40\pm2$ °C, $90\sim95$ %, $96$ h. $(STEADY STATE)$ TEMPERATURE- $55\rightarrow+15\sim+35\rightarrow+85\rightarrow+15\sim+35$ °C TIME $30\rightarrow10\sim15\rightarrow30\rightarrow10\sim15$ min. $(STEADY STATE)$ UNDER 5 CYCLES. $(STEADY STATE)$ OF PARTS. $(STEADY STATE)$ OF PARTS. $(STEADY STATE)$ TIME $30\rightarrow10\sim15\rightarrow30\rightarrow10\sim15$ min. $(STEADY STATE)$ UNDER 5 CYCLES. $(STEADY STATE)$ OF PARTS.	PERATION	I					,								
AT 2 h FOR 3 DIRECTIONS.  SHOCK  490 m/s², DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.  ENVIRONMENTAL CHARACTERISTICS  DAMP HEAT (STEADY STATE)  RAPID CHANGE OF TEMPERATURE-55→+15~+35→+85→+15~+35°C TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.  CORROSION SALT MIST  EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)  RESISTANCE TO SOLDERING HEAT 2 NO DEFORMATION OF PARTS.  AT 3 TIMES FOR 3 DIRECTIONS.  OF PARTS.  OF PARTS.  (CONTACT RESISTANCE: 20 mΩ MAX. (C) INSULATION RESISTANCE: 20 mΩ MAX. (C) INSULA	IBRATION			•		1	①NO E	ELECTF	RICAL	DISCONTINU	IITY O	F	×	_	
SHOCK $\begin{array}{c} 490 \text{ m/s}^2, \text{ DURATION OF PULSE } 11 \text{ ms} \\ \text{AT } 3 \text{ TIMES } \text{ FOR } 3 \text{ DIRECTIONS.} \\ \end{array}$ $\begin{array}{c} \text{ENVIRONMENTAL CHARACTERISTICS} \\ \text{DAMP HEAT} \\ \text{(STEADY STATE)} \\ \text{RAPID CHANGE OF} \\ \text{TEMPERATURE} \\ \end{array} \begin{array}{c} \text{EXPOSED AT} \\ \text{40}\pm2^{\circ}\text{C}, \\ \text{90} \\ \sim 95^{\circ}\text{M}, \\ \text{96} \\ \text{h.} \\ \text{2} \text{INSULATION RESISTANCE: } 20 \text{ m}\Omega \text{ MAX.} \\ \text{2} \text{INSULATION RESISTANCE: } 1000 \text{ M}\Omega \text{ MIN.} \\ \text{2} \text{INSULATION RESISTANCE: } 1000 \text{ M}\Omega \text{ MIN.} \\ \text{3} \text{NO DAMAGE, CRACK AND LOOSENESS} \\ \text{TIME} \\ \text{30} \\ \text{10} \text{10} \\ \text{11} \text{5} \\ \text{11} \text{MS} \\ \text{10} \text{10} \text{10} \text{10} \text{10} \\ \text{11} \text{MS} \\ \text{10} \text{MS} \\ \text{11} \text{MS} \\ \text{11} \text{MS} \\ \text{11} \text{MS} \\ \text{12} \text{MS} \\ \text{12} \text{MS} \\ \text{13} \text{MS} \\ \text{13} \text{MS} \\ \text{14} \text{MS} \\ \text{15} MS$			*												
	HOCK		490 m/s <sup>2</sup> , DURATION OF PULSE 11 ms				· ·						×	-	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	NVIRON					l l							1		
RAPID CHANGE OF TEMPERATURE $-55 \rightarrow +15 \sim +35 \rightarrow +85 \rightarrow +15 \sim +35 \circ C$ TEMPERATURE $-55 \rightarrow +15 \sim +35 \rightarrow +85 \rightarrow +15 \sim +35 \circ C$ TIME $-30 \rightarrow 10 \sim 15 \rightarrow 30 \rightarrow 10 \sim 15$ min. UNDER $-50 \rightarrow 10 \sim 15 \rightarrow 30 \rightarrow 10 \sim 15$ min. UNDER $-50 \rightarrow 10 \sim 15 \rightarrow 30 \rightarrow 10 \sim 15 \rightarrow 10 \rightarrow$			<del>-</del>					①CONTACT RESISTANCE: 20 mΩ MAX.						<b>—</b>	
TEMPERATURE  TIME $30 \rightarrow 10 \sim 15 \rightarrow 30 \rightarrow 10 \sim 15$ min. UNDER 5 CYCLES.  CORROSION SALT MIST  EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.  SULPHUR DIOXIDE  EXPOSED IN 10 PPM FOR 96 h.  (TEST STANDARD: JEIDA - 39)  RESISTANCE TO SOLDER BATH:SOLDER TEMPERATURE, 260 $\pm$ 5°C FOR IMMERSION, DURATION, $10 \pm$ 1s.  2) SOLDERING IRONS: $350 \circ$ C FOR $3 \circ$ MAX.  SOLDERABILITY  SOLDERED AT SOLDER TEMPERATURE, A NEW UNIFORM COATING OF SOLDER 245 $\pm$ 3°C,  A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF			, , , , , , , , , , , , , , , , , , ,					②INSULATION RESISTANCE:1000 M $\Omega$ MIN.							
CORROSION SALT MIST EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h. 2NO HEAVY CORROSION. $\times$ SULPHUR DIOXIDE EXPOSED IN 10 PPM FOR 96 h. (TEST STANDARD: JEIDA - 39)  RESISTANCE TO 5 SOLDER BATH:SOLDER TEMPERATURE, 260 $\pm$ 5°C FOR IMMERSION,DURATION,10 $\pm$ 1s. 2) SOLDERING IRONS: 350 °C FOR 3 s MAX. $\times$ SOLDERABILITY SOLDER TEMPERATURE, A NEW UNIFORM COATING OF SOLDER 245 $\pm$ 3°C, SHALL COVER A MINIMUM OF 95 % OF			TIME $30 \to 10 \sim 15 \to 30 \to 10 \sim 15$ min.				· · · · · · · · · · · · · · · · · · ·						×	_	
SULPHUR DIOXIDE  EXPOSED IN 10 PPM FOR 96 h.  (TEST STANDARD: JEIDA - 39)  RESISTANCE TO  1) SOLDER BATH:SOLDER TEMPERATURE, 260±5°C FOR IMMERSION,DURATION,10±1s. 2) SOLDERING IRONS: 350 °C FOR 3 s MAX.  SOLDERABILITY  SOLDERED AT SOLDER TEMPERATURE, 245±3°C,  A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF	CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR				~						×	_	
RESISTANCE TO SOLDER BATH:SOLDER TEMPERATURE, 260±5°C FOR IMMERSION, DURATION, 10±1s. 2) SOLDERING IRONS: 350 °C FOR 3 s MAX.  SOLDERABILITY  SOLDERED AT SOLDER TEMPERATURE, 245±3°C,  NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.  A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF	SULPHUR DIOXIDE		EXPOSED IN 10 PPM FOR 96 h.				©NO HEAVY CORROSION.						×	_	
SOLDERING HEAT  260±5°C FOR IMMERSION, DURATION, 10±1s. 2) SOLDERING IRONS: 350 °C FOR 3 s MAX.  SOLDERABILITY  SOLDERED AT SOLDER TEMPERATURE, 245±3°C,  A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF	ECICTANO	E TO	,				NO DEFORMATION OF CASE OF							_	
2) SOLDERING IRONS : 350 °C FOR 3 s MAX.  TERMINALS.  X  SOLDERABILITY  SOLDERED AT SOLDER TEMPERATURE, A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF			,										_ ^	_	
245±3°C, SHALL COVER A MINIMUM OF 95 % OF			200_0 0 1 011 11111121101011, 20111111011, 10_10											_	
	SOLDERABILITY		SOLDERED AT SOLDER TEMPERATURE.				A NEW UNIFORM COATING OF SOLDER ×							_	
			245±3°C,												
		T DE	L DESCRIPTION OF REVISIONS DES		DESIG							DATE			
REMARK (1) TEMPERATURE RISE INCLUDED WHEN ENERGIZED. APPROVED NH. NAKATA 17. (	REMARK (1						APPROVED			NH. NAKATA			17. 0	4. 10	
(2) THIS STORAGE INDICATES A LONG-TERM STORAGE STATE  CHECKED HT YAMAGIICHI 17 (	(2		E INDICATES A LONG-TERM STORAGE STATE ISED PRODUCT BEFORE THE BOARD MOUNTED.							†			17. 0		
FOR THE UNUSED PRODUCT BEFORE THE BOARD MOUNTED.		I ON THE UNU								HR. NAGA				4. 10	
	Unless otherwise specifi			ified, refer to MIL-STD-1344.			DRAWN						17. 0		
Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC-375931-00-0	lote QT:Qı	ualification Tes	t AT:Ass				EL 0 03E001			31-0					
SPECIFICATION SHEET PART NO. A4B-*PA-2DS (51)	שכ	SF	SPECIFICATION SHEET				NO.	A4B-*PA-2DS (51)							
HIROSE ELECTRIC CO., LTD. CODE NO. CL622	UN.	HIR	OSE EI	CODE	NO.		CL622 Z					1/1			