APPLICA	BLE STAN	IDARD	USB2.0 SPECIFICATION A	AND MICR			NNECTORS SPECIFICATION	N.		
	OPERATING		-30 °C TO +85°C STORAGE -30°C TO +85°C TEMPERATURE RANGE							
	TEMPERATURE RANGE VOLTAGE		30V AC		OPERATI		′ — % TO — %			
RATING	OLIDDENT				RANGE		1100 04015			
	CURRENT 1) SIGNAL ON	LY	① 1 A/pin		APPLICAE	BLE CABLE	USB CABLE ① SIGNAL : AWG 28 MAX			
	2) POWER AP		2 1.8 A/pin (PIN No.1,5) 0.5 A/pin (PIN No.2—4)				② POWER : AWG 26 MAX			
				IFICA	TIONS					
IT	EM		TEST METHOD	11 10/1			QUIREMENTS	QT	AT	
			TEOT WETTOD			IXL	QUITEMENTO	Qı		
CONSTRUCTION GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			۸۵۵	ORDING TO DE	DAMING	X	$\overline{}$	
MARKING		CONFIRMED VISUALLY.			ACC	ORDING TO DI	AWING.	X	X	
								^	^	
	ICAL CHA	,			20 m	O MAY		X		
CONTACT RESISTANCE		100 mA MAX (DC OR 1000 Hz).				30 mΩ MAX.			X	
INSULATION RESISTANCE		500 V DC.				100 ΜΩ ΜΙΝ.			X	
VOLTAGE PROOF		100 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			X	
CAPASITANCE		MEASURE ADJACENT TWO CONTACTS AT 1000 ± 10 Hz AC VOLTAGE			2 pF	2 pF MAX			_	
MECHAN	IICAL CH	ARACT	ERISTICS		•					
INSERTION A	ND	A MAXIM	UM RATE OF 12.5 mm/min.		_	RTION FORCE		X	Τ-	
WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.				WITHDRAWAL FORCE 8 N MIN.			<u> </u>	
MECHANICAL OPERATION		10000 TIMES INSERTIONS AND EXTRACTIONS.			_	① CONTACT RESISTANCE: NO INCREASEOF MORE THAN 10 mΩ FROM INITIAL VALUE. ② INSERTION FORCE 35 NMAX.			-	
		MATING SPEED								
		- MECHANICALLY OPERATED : 500 CYCLES / h					FORCE 8 N MIN.			
			- MANUALLY OPERATED : 200 CYCLES / h			IO DAMAGE, C PARTS.	RACK AND LOOSENESS OF			
VIBRATION RADOM VIBRATION SHOCK		FREQUENCY 10 TO 55 Hz,					L DISCONTINUITY OF 1 µs.	Х	\vdash	
		SINGLE AMPLITUDE 0.75 mm, AT 2 h,					CRACK AND LOOSENESS O			
		FOR 3 DIRECTIONS, TOTAL 6 h.			P	ARTS.				
		FREQUENCY 50 TO 2000 Hz, AT 15 min,						X	-	
		FOR 3 DIRECTIONS. 490 m/s ² DURATION OF PULSE 11 ms							+	
		AT 3 TIMES FOR 6 DIRECTIONS, TOTAL 18 TIMES.						Х	_	
FNVIRON	MENTAL		ACTERISTICS						1	
THERMAL SH			ATURE -55 \rightarrow 15 TO 35 \rightarrow 85 \rightarrow	→ 15 TO 35 °	C (1) C	ONTACT RESI	STANCE: 70 m Ω MAX.	1	T	
		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$ UNDER 10 CYCLES.			② IN	② INSULATION RESISTANCE: 10 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS				
					_					
HUMIDITY LIFE DRY HEAT		(MATING APPLICABLE CONNECTOR)				OF PARTS.				
			ATURE -10 TO 65 °C, HUMIDIT)	Y 90 TO 98 ^c		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
		UNDER 7 CYCLES (168h) (MATING APPLICABLE CONNECTOR)			FAR	PARTS.				
		EXPOSED AT +85±2 °C, 96 h.			NO E	NO DAMAGE, CRACK AND LOOSENESS				
		(MATING	APPLICABLE CONNECTOR)		OF P	OF PARTS.				
COLD		EXPOSED AT -40±2 °C, 96 h.				NO DAMAGE, CRACK AND LOOSENESS				
		(MATING APPLICABLE CONNECTOR)				OF PARTS.				
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER, 35 °C FOR 48 h.				NO HEAVY CORROSION. NO DAMAGE, CRACK AND LOOSENESS			$oxed{\perp}$	
RESISTANCE TO SOLDERING HEAT		TEMPERATURE: 350±10 °C TIME: 5±1 sec AT SOLDERING PARTS				OF PARTS.			-	
SOLDERBILITY		SOLDERING POINT IMMERSED IN BATH OF 255±5 °C,				SOLDER SHALL COVER MINIMUM OF 95 %			+-	
		5 sec. (US	SING TYPE R FLAX)		OF T	OF THE SURFACE BEING IMMERSED.				
		0 000. (00			<u> </u>				<u>I</u>	
COUNT D		ESCRIPTION OF REVISIONS DESIG			DESIGNED	NED CHECKED			DATE	
A 1		DIS-E-00000492			TS. ITO		NM. NISHIMATSU		16. 03. 03	
REMARKS		not guarantee the performance on these specific product will be mated with the others which			10. 110	APPROVE		SHIMATSU 15. 10. 27		
	will not aus				ecification					
								_	0. 27	
HIROSE's		. *************************************	o matoa with the Ot	WI	10 11	DRAWN	10.110	10.1	J. Z1	
		cified. re	efer to USB2.0, EIA364	or IEC	60512.	PIXAMIN	AK. AKIYAMA	15. 1	0. 27	
			AT:Assurance Test X:Applicable Test			l /ING NO.	ELC-125857-31-0	ELC-125857-31-00		
						PART NO. ZX40-B-5S-UNIT (31)				
HS	SPECIFICATION SHEET							A 14		
	I HIK	HIROSE ELECTRIC CO., LTD.			CODE NO $ CL242-0002-4-31 $ $ A $ 1				1/1	