	BLE STANDARD Operating Temperature Range Voltage					0		-30°C TO +60°C(95%RH max) (note1) 1.5 A/pin (all pin) 3 A/pin (pin No.1,2,6,7)			
					Range						
Rating					C						
			SPEC	IFICA		IS			3 A/pin (pin No. 1,2,0	,,,)	
			TEST METHOD	_						QT	^-
			TEST METHOD				RE	QUI	REMENTS	QI	A
General Exam		Examined	visually and with a measuring in	strument.	A	ccording	to draw	ing.		Х	X
Marking		Confirmed visually.			A	According to drawing.				Х	Х
ELECTR	IC CHARA		STICS					0		1	
Contact Resistance		Measured at 100 mA max (DC or 1000 Hz).				Contact : 30 m Ω max. Shield : 100 m Ω max.				Х	-
Insulation Resistance		Measured at 500 V DC.				600 MΩ m	nin.			Х	
Voltage Proof		500 V DC applied for 1 min. Current leakage 2mA max.				lo flashov	er or br	eakdo	wn.	Х	
Insertion Loss		Measured in the range of 1 to 500 MHz.				0.02 $\sqrt{(f)}$ dB max. (Whenever the formula results in a value less than 0.1 dB, the requirement shall revert to 0.1 dB.)			x	_	
Return Loss		Measured in the range of 1 to 500 MHz.				68 – 20log(f) dB min. (Whenever the formula results in a value greater than 30 dB, the requirement shall revert to 30 dB.)			x	_	
Near end Crosstalk		Measured in the range of 1 to 500 MHz.			9- 4- (V	94 – 20log(f) dB min. (1MHz to 250MHz) 46.04 – 30log(f/250) dB min. (250MHz to 500MHz) (Whenever the formula results in a value greater than 75 dB, the requirement shall revert to 75 dB.)			x	_	
Far end Crosstalk		Measured in the range of 1 to 500 MHz.			8 (\	 83.1 – 20log(f) dB min. (Whenever the formula results in a value greater than 75 dB, the requirement shall revert to 75 dB.) 			x	_	
Transverse Conversion Loss		Measured in the range of 1 to 500 MHz.			6 (\	68 – 20log(f) dB min. (Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.)			x	_	
Transverse Conversion Transfer Loss		Measured in the range of 1 to 500 MHz.			6 (\	68 – 20log(f) dB min. (Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.)			x	_	
MECHAN	ICAL CHAF	RACTERI	ISTICS		5	io ub, the	require	ment			1
Insertion And Withdrawal Forces		A maximum rate of 50 mm/min. Measured by applicable connector.				Insertion force 25 N max. Withdrawal force 25 N max.			Х		
Mechanical Operation		5000 times Mating spe	5000 times insertions and extractions. Mating speed : 10 mm/s max. Rest : 5s, min.(unmated)			1) Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. 2) No damage, cracks or looseness of parts.			x		
Vibration		Frequency 10 to 500 Hz 0.35 mm, 50 m/s ² 2hrs in each of 3 mutually perpendicular axis.				 No electrical discontinuity of 1μs. No damage, cracks or looseness of parts. 			x	_	
COUN	NT DES		N OF REVISIONS	1	DESIGN	NED			CHECKED	DA	TE
<u>A</u> 1		DIS-E	-00001800		JY.IG	GA		KI.NAGANUMA		2018	310 5
Note Note 1. Non-condensing.								RI.TAKAYASU KI.NAGANUMA	2017032 2017032		
		cified, refer to IEC 60512.				DESIGN		ED	HT.SATO HT.SATO	201703 201703 201703	
Note QT:Q	ualification Te	st AT:Ass	surance Test X:Applicable T	est	DR	DRAWING NO. ELC-129487-0					
HRS		SPECIFICATION SHEET					30G-B-10S-CV (7. C				
СЛ	HIR	ROSE ELECTRIC CO., LTD.				NO.				A	1/2
	•										

ITEM	SPECIFICA	AHONS)		T	
	TEST METHOD		REQUIREMENTS	QT	A	
Fretting Corrosion	490 m/s ² , 30 times/min at 1000 times.		1) No electrical discontinuity of 1µs.			
			o damage, cracks or looseness of parts.	X		
Shock	Subject mated specimens to 300 m/s ² half-sine shoc of 11 milliseconds duration, 3 shocks in both directio mutually perpendicular directions (totally 18 shocks)	ons of 3 2) N	 No electrical discontinuity of 1μs. No damage, cracks or looseness of parts. 			
Lock Strength	Applying 80 N force for the mating axis direction in s fitted with applicable connector.	state in No u	No unlocking, damage, cracks or looseness of parts.			
Wrenching Strength	Applying 25times of 30 N 1s for 2 axis direction on ti case in state in fitted with applicable connector.	ip of plug No o	damage, cracks or looseness of parts.	x	_	
ENVIRONMENT	AL CHARACTERISTICS					
Rapid Change of Tempera	Subject mated specimens to 10 cycles between -55° 85°C with 30 minutes dwell at temp. Extremes and 1 transition between temperatures.	1 minute C N 2) R (3) Ir	oltage proof : 500 V DC applied for 1 min. urrent leakage 2mA max. o flashover or breakdown. esistance: Contact : 80 m Ω max. Shield : 100 m Ω max. usulation resistance: 500 M Ω min. (at dry)	x	_	
Humidity / Temperature Cycling	Low temperature 25 °C; High temperature 65 °C; Cold sub-cycle – 10 °C; Relative humidity 93 % Duration 10 / each 24 h	1) F ((2) Ir	o damage, cracks or looseness of parts. tesistance: Contact : 80 m Ω max. Shield : 100 m Ω max. Isulation resistance: 500 M Ω min. (at dry) o damage, cracks or looseness of parts.	X	_	
	(IEC 60068-2-38,test Z / AD)					
Damp Heat, Steady State	Subject mated specimens to a relative humidity of 93 temperature of 40°C during 21 days.	((2) Ir	tesistance: Contact : 80 mΩ max. Shield : 100 mΩ max. Isulation resistance: 500 MΩ min. (at dry) o damage, cracks or looseness of parts.	X	_	
Dry Heat	Subject to +85 \pm 2 °C, 21 days. (mating applicable connector)	((2) Ir	tesistance: Contact : 80 m Ω max. Shield : 100 m Ω max. Isulation resistance: 500 M Ω min. (at dry) o damage, cracks or looseness of parts.	Х	_	
Cold	Subject to -55 \pm 3 °C, 10 days. (mating applicable connector)	1) F (2) Ir	 Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. Insulation resistance: 500 MΩ min. (at dry) No damage, cracks or looseness of parts. 			
Corrosion Salt Mist	Subject to 5 % salt water, 35 \pm 2 °C, 48h.		No heavy corrosion of contacts.			
	(leave under unmated condition.)					
Vixed Flowing Gas Corros			 Resistance: Contact : 80 mΩ max. Shield : 100 mΩ max. No damage, cracks or looseness of parts. 			