APPLICABLE STANDARD			IEC 61076-3-124									
Rating	Operating Temperature Range							-30°C TO +60°C(95%RH max				
	Voltage		50 V AC / 60 V DC			Current			1.5 A/pin (all pin) 3 A/pin (pin No.1,2,6,7)			
SPECIFICATIONS												
IT	EM		TEST METHOD				RI	=QU	IREMENTS	QT	АТ	
CONSTR			1201 111211102							Ψ.	1,,,	
General Exam		Examined	visually and with a measuring in	strument.		Accord	ding to drav	wina.		Х	Х	
Marking		+	Confirmed visually.			According to drawing.				Х	X	
	IC CHAR		•				<u> </u>			, , <u>, , , , , , , , , , , , , , , , , </u>		
Contact Resistance			Measured at 100 mA max (DC or 1000 Hz).				Contact : 30 m Ω max. Shield : 100 m Ω max.				_	
Insulation Resistance		Measured	Measured at 500 V DC.				500 MΩ min.				_	
Voltage Proof		500 V DC	500 V DC applied for 1 min. Current leakage 2mA max.				No flashover or breakdown.				_	
Insertion Loss		Measured	Measured in the range of 1 to 500 MHz.				0.02 √(f) dB max.					
			Ü				(Whenever the formula results in a value less than 0.1 dB, the requirement shall revert to 0.1 dB.)				_	
Return Loss		Measured	Measured in the range of 1 to 500 MHz.				68 – 20log(f) dB min.					
		<u> </u>					(Whenever the formula results in a value greater than 30 dB, the requirement shall revert to 30 dB.)				_	
Near end Cros	stalk	Measured	_				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.)					
Far end crosst	alk	Measured	Measured in the range of 1 to 500 MHz.			83.1 – 20log(f) dB min.						
									results in a value greater than	Χ	_	
Transverse Conversion Loss		Measured				75 dB, the requirement shall revert to 75 dB.) 68 – 20log(f) dB min.						
		Weasured					(Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.)				_	
Transverse Conversion Transfer Loss		Measured in the range of 1 to 500 MHz.			68 – 20log(f) dB min. (Whenever the formula results in a value greater than 50 dB, the requirement shall revert to 50 dB.)				Х			
MECHAN	ICAL CHA	RACTER	ISTICS			,			,	<u>I</u>		
Insertion and Withdrawal		A maximu	A maximum rate of 50 mm/min.			Insertion force 25 N max.				Х	_	
Forces		Measured	Measured by applicable connector.			Withdrawal force 25 N max.						
Mechanical Operation		5000 times	5000 times insertions and extractions.			1) Resistance: Contact : 80 m Ω max.				X	_	
		Mating spe	Mating speed : 10 mm/s max.				Shield : 100 mΩ max.					
			Rest : 5s, min.(unmated)				2) No damage, cracks or looseness of parts.					
Vibration			Frequency 10 to 500 Hz 0.35 mm, 50 m/s ²			 No electrical discontinuity of 1μs. No damage, cracks or looseness of parts. 				\ \ \		
			ch of 3 mutually perpendicular as	xis.		2) 110 0	admago, o	idono c	r loosofiood of parto.	X	_	
COUN	IT DES	CRIPTIC	N OF REVISIONS		DESIG	SIGNED		CHECKED		DATE		
<u>A</u> 5		DIS-E-00001391 JY.I		JY.IO	GA KI.NAGANUMA				18.03.09			
Note			•			APPROVE		/ED	RI.TAKAYASU	17.03.2		
Note 1. No	on-conden	sing	ng. 🖄			CHECKE			KI.NAGANUMA	17.03.27		
Unless oth	nerwise sp	ecified, re	refer to IEC 60512.				DESIGN DRAW			17.03.27 17.03.27		
Note QT:Q	ualification T	est AT:Ass	surance Test X:Applicable Test D			RAWING NO.			ELC-129431-00-00			
ЖS		SPECIF	ICATION SHEET		PART NO.			IX40G-A-10S-CV (7. 0)				
	HII	ROSE EI	ECTRIC CO., LTD.	CTRIC CO., LTD. CODE		≣ NO. (CL251-0022-0-00		2	1/2	

	SPECIFICA	ATIO	NS				
ITEM	TEST METHOD			QT	АТ		
Fretting Corrosion	490 m/s ² , 30 times/min at 1000 times.		1) No electrical discontinuity of 1μs.				
					Х		
Shock	Subject mated specimens to 300 m/s² half-sine sho	1) No electrical discontinuity of 1µs. 2) No damage, cracks or looseness of parts.					
	of 11 milliseconds duration, 3 shocks in both direction mutually perpendicular directions (totally 18 shocks						
Lock Strength	Applying 80 N force for the mating axis direction in fitted with applicable connector.	No unlocking, damage, cracks or looseness of parts.			_		
Wrenching Strength	Applying 25times of 30 N 1s for 2 axis direction on to case in state in fitted with applicable connector.	ip of plug	No damage, cracks or looseness of parts.			_	
ENVIRONMENT	AL CHARACTERISTICS						
Rapid Change of Temper		Subject mated specimens to 10 cycles between -55°C and 85°C with 30 minutes dwell at temp. extremes and 1 minute transition between temperatures.			Х	_	
			2) Resis				
				act : 80 m Ω max. Id : 100 m Ω max.			
				ation resistance: 500 MΩ min. (at dry)			
Humidity / Tomporature	Low tomporature 35 °C		1) Resis	amage, cracks or looseness of parts.	Х		
Humidity / Temperature Cycling	High temperature 65 °C;	Low temperature 25 °C;			^	_	
, ,	Cold sub-cycle – 10 °C;	Cont Shie	Shield : 100 mΩ max.				
	Relative humidity 93 %			ation resistance: 500 MΩ min. (at dry)			
	Duration 10 / each 24 h			amage, cracks or looseness of parts.			
	(IEC 60068-2-38,test Z / AD)						
Damp Heat, Steady State		1) Resis	stance:	Х	_		
	temperature of 40°C during 21 days.		Cont	act : 80 mΩ max.			
			Shie	ld : 100 mΩ max.			
			2) Insula	ation resistance: 500 M Ω min. (at dry)			
			3) No da	amage, cracks or looseness of parts.			
Dry Heat	Subject to +85 \pm 2 °C, 21 days.	Subject to +85 ± 2 °C, 21 days.			Χ	_	
	(mating applicable connector)		Cont	act : 80 mΩ max.			
			Shie	d : 100 mΩ max.			
			2) Insula	ation resistance: 500 M Ω min. (at dry)			
Cold	Subject to -55 ± 3 °C, 10 days.	Subject to -55 ± 3 °C, 10 days.			X	_	
	(mating applicable connector)	Cont					
			ld : 100 m Ω max. ation resistance: 500 M Ω min. (at dry)				
Corrosion Salt Mist	(left under unmated condition.)	Subject to 5 % salt water, 35 \pm 2 °C, 48h. (left under unmated condition.)			Х		
Mixed Flowing Gas Corro	Sion Test temperature : +25±1 °C, Relative humidity :	1) Resis	stance:	Х	—		
	H ₂ S: 100±20 ppb, NO ₂ : 200±50 ppb		Contact : 80 m Ω max.				
	Cl ₂ : 10±5 ppb, SO ₂ : 200±20 ppb	Cl ₂ : 10±5 ppb, SO ₂ : 200±20 ppb					
	Duration : 4 days, half mated half unmated (IEC 60512, method 4)						
Solderbility	Temperature +350 ± 10 °C, 3 sec at soldering parts.		Wetting on solder surface. No solder cluster.			_	
Resistance To	Temperature +350 ± 10 °C,5 sec at soldering parts.		No damage, cracks or looseness of parts.			l	
Soldering Heat					X	_	
	·						
Note QT:Qualification	n Test AT:Assurance Test X:Applicable Test	DRAWING NO. ELC-129431-00-00					
HS	SPECIFICATION SHEET		ΓNO.	IX40G-A-10S-CV (7. 0			
	HIROSE ELECTRIC CO., LTD.	CODI	E NO	CL251-0022-0-00	<u> </u>	2/2	