








APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	STORAGE TEMPERATURE RANGE	-25°C TO +70°C (AT PACKING)	
	—	—		—	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.		X	X
OPTICAL CHARACTERISTICS					
INSERTION LOSS		MEASUREMENT AT WAVE LENGTH1310*20nm	0.4 dB max. 	X	X
<div>① Reference</div> <div><div>1310nm LD</div><div>SC Plug</div><div>SM</div><div>SW20 LC Master plug</div><div>SW20 LC Master receptacle</div><div>LC Plug</div><div>GI</div><div>SC Plug</div><div>Sensor</div></div> <div><div>1310nm LD</div><div>SC Plug</div><div>SM</div><div>SW20 LC Master plug</div><div>SW20 LC Master receptacle</div><div>LC Plug</div><div>GI</div><div>SC Plug</div><div>Sensor</div></div> <div>↓</div> <div>② Measurement</div> <div>Test product</div> <div><div>1310nm LD</div><div>SC Plug</div><div>SM</div><div>SW20 LC Master plug</div><div>SW20 LC adapter</div><div>SW20 LC Master plug</div><div>SM</div><div>LC Plug</div><div>SW20 LC Master receptacle</div><div>LC Plug</div><div>GI</div><div>SC Plug</div><div>Sensor</div></div> <div><div>1310nm LD</div><div>SC Plug</div><div>SM</div><div>SW20 LC Master plug</div><div>SW20 LC Master plug</div><div>SM</div><div>LC Plug</div><div>SW20 LC Master receptacle</div><div>LC Plug</div><div>GI</div><div>SC Plug</div><div>Sensor</div></div>					
RETURN LOSS		MEASUREMENT AT WAVE LENGTH 1310±30nm	40 dB min.	X	—
MECHANICAL CHARACTERISTICS					
MATING DURABILITY		200 INSERTION AND EXTRACTION.	INSERTION LOSS RANGE : 0.3dB max. NO LOOSENESS, BREAKAGE,CRACKS	X	—
VIBRATION		FREQUENCY RANGE 10 TO 55 Hz SINGLE AMPLITUDE OF 0.75 mm 3 HOURS IN EACH OF THE 3 AXIS		X	—
SHOCK		ACCELERATION 981 m/s ² DURATIN TIME 6 ms HALF SINE SHOCK PULSE 10 TIMES IN EACH OF THE 3 AXIS		X	—
ENVIRONMENTAL CHARACTERISTICS					
COMPOSITE HUMIDITY CYCLE		HUMIDITY : 90 to 100% TEMPERATURE : -10 to 65°C TIME : 168HOURS(12H/CYCLE×14CYCLE)	INSERTION LOSS RANGE : 0.3dB max. NO LOOSENESS, BREAKAGE,CRACKS	X	—
TEMPERATURE CYCLING		TEMPERATURE : -40 to 75°C TIME : 336HOURS(8H/CYCLE×42CYCLE)		X	—
DRY HEAT		TEMPERATURE : 85°C FOR 240HOURS		X	—
COLD		TEMPERATURE : -40°C FOR 240HOURS		X	—
RESISTANCE TO HUMIDITY		TEMPERATURE 75°C AND HUMIDITY 95% FOR 168 HOURS		X	—
SALT MIST 		SALT MIST : 5% AND TEMPERATURE 35°C FOR 1000 HOURS	NO HEAVY CORROSION RUINS THE FUNCTION.	X	—
WATER RESISTANCE (MATING) 		PUT THE PRODUCT UNDER WATER FOR 1 min. WITH AIR PRESSURE 4.9kPa.(IP67)	NO AIR LEAKAGE.	X	—
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	2	DIS-K-00000295	FS. YOSHIDA	YY. HIYAMA	16. 06. 02
REMARK			APPROVED	MT.SHIBUTANI	12.07.31
NOTE  CONNECTED WITH THIS PRODUCT AND LC MASTER CODE. MEASURED WITH IT AND SW20-LC MASTER CODE.			CHECKED	YH.MASUZAKI	12.07.31
			DESIGNED	FS.YOSHIDA	12.07.27
			DRAWN	FS.YOSHIDA	12.07.27
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-177732-00
	SPECIFICATION SHEET		PART NO.	SW20-LCA-1	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL717-5028-6-00	 1/1