








Aug.1.2023 Copyright 2023 HIROSE ELECTRIC CO., LTD. All Rights Reserved.  
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	STORAGE TEMPERATURE RANGE -25°C TO +70°C (AT PACKING)		
	POWER	-w	CHARACTERISTIC IMPEDANCE -		
<b>SPECIFICATIONS</b>					
ITEM	TEST METHOD	REQUIREMENTS	QT AT		
<b>CONSTRUCTION</b>					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X	
MARKING	CONFIRMED VISUALLY.		X	X	
<b>OPTICAL CHARACTERISTICS</b>					
INSERTION LOSS 	MEASUREMENT AT WAVE LENGTH 1310±20nm(LD)	0.4 dB max. (1 MATING)	X	X	
RETURN LOSS	MEASUREMENT AT WAVE LENGTH 1310±30nm(LD)	40 dB min.	X	-	
<b>MECHANICAL CHARACTERISTICS</b>					
MATING DURABILITY	200 INSERTION AND EXTRACTION.	INSERTION LOSS RANGE : 0.3dB max. DO NOT FIND ABNORMALITY IN THE CLAMPING PART AND THE CODE.	X	-	
VIBRATION	2 HOURS OF 3 DIRECTION AT AN HALF AMPLITUDE OF 0.75mm WITH THE FREQUENCY 10-55Hz SWEEPING AND THE ACCELERATION 98.1m/s <sup>2</sup>	INSERTION LOSS RANGE : 0.3dB max. NO LOOSENESS, BREAKAGE,CRACKS	X	-	
SHOCK	10 TIMES AND 3 DIRECTIONS WITH THE ACCELERATION 981m/s <sup>2</sup> AND ACTION TIME 6ms		X	-	
<b>ENVIRONMENTAL CHARACTERISTICS</b>					
COMPOSITE HUMIDITY CYCLE	HUMIDITY : 90 to100% TEMPERATURE : -10 to 65°C TIME : 168HOURS(12H/CYCLE×14CYCLE) (TELCORDIA GR3120-CORE)	INSERTION LOSS RANGE : 0.3dB max. NO LOOSENESS, BREAKAGE,CRACKS	X	-	
TEMPERATURE CYCLING	TEMPERATURE : -40 to 75°C TIME : 336HOURS(8H/CYCLE×42CYCLE) (JIS C 5961)		X	-	
RESISTANCE TO DRY HEAT	TEMPERATURE : 85°C FOR 240HOURS (JIS C 5961)		X	-	
RESISTANCE TO COLD	TEMPERATURE : -40°C FOR 240HOURS (JIS C 5961)		X	-	
RESISTANCE TO HUMIDITY	TEMPERATURE 75°C AND HUMIDITY 95% FOR 168 HOURS (TELCORDIA GR3120-CORE)		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-00000293	FS.YOSHIDA	YY.HIYAMA	16.06.02
REMARK	NOTE  CONNECTED WITH THIS PRODUCT AND LC MASTER CODE. MEASURED WITH IT AND SW20-LC MASTER CODE.		APPROVED	MT.SHIBUTANI	10.04.21
			CHECKED	YH.MASUZAKI	10.04.14
			DESIGNED	SI.MATSUMOTO	10.04.14
			DRAWN	SI.MATSUMOTO	10.04.14
Note	QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-176804-00	
	SPECIFICATION SHEET		PART NO.	SW20-LCR-1	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL717-5004-8-00	 1/1