APPLICABL	<u>E STANDAF</u>	RD		,			1			
Pating	Operating Temperature Range		-40 °C TO +85 °C (No	ote 1)	Storage Te Range	emperature	- °C TO -	°C		
Rating	Voltage		250 V AC	Applicable		Cable ϕ 9.2				
	Current		1 A							
			SPEC	IFICATION	ONS					
ľ	TEM		TEST METHOD			RE	QUIREMENTS	QT	АТ	
CONSTRU	ICTION							•		
General Examination		Visually ar	Visually and by measuring instrument.			According to drawing.				
Marking		Confirmed	Confirmed visually.			1				
ELECTRIC	CAL CHARA	CTEREIS	TICS							
Contact Resis	Contact Resistance		Measured at 20 V DC max, 10 mA (DC or 1000 Hz).			Between contact : 70 mΩ max.				
			, , , , , , , , , , , , , , , , , , , ,			Between shell : 10 mΩ max.				
Insulation Resistance			250 V DC			1000 MΩ min.				
Voltage Proof			C. for 1 min.		No flash	over or break	kdown.	X	Χ	
_	CAL CHAR					70.4	. NI	X		
Mating and Ur	nmating Forces	Measured	Measured with an applicable connector.			Mating force : 78.4 N max. Unmating force : 19.6 N max.			-	
Mechanical O	peration	Mated and	Mated and unmated 500 times.			Contact resistance : 70 mΩ max.				
					Shel	l resistance	: 10 mΩ max.			
					② No d	amage, cracl	and looseness of parts.			
Vibration		Frequency	Frequency: 10 to 500 Hz, singe amplitude 0.75 mm,			① No electrical discontinuity of 1 µs.				
			3h for 6 directions.	② Cont	Contact resistance : 70 m Ω max.					
Shock			duration of pulse 11 ms for 3 times axial directions.	i	_	l resistance	: 10 mΩ max. c and looseness of parts.	Х	-	
ENVIRON!	MENTAL C				3 NO 0	amage, craci	cand looseness of parts.			
	e of Temperatu	- ,	ture $-40 \rightarrow 5$ to $35 \rightarrow 105 \rightarrow 5$ to	35 °C	① Con	tact resistanc	e : 70 mΩ max.	Х	Τ_	
		Time	$30 \rightarrow 5 \rightarrow 30 \rightarrow 5 \text{ m}$	nin	_	Il resistance	: 10 mΩ max.			
		Under 10	cycles.		-		nce : 1000 MΩ min.			
						lashover or b				
Damp Heat/		Mated cor	Mated connector with contacts connected in series.				k and looseness of parts. e : 70 mΩ max.	Х	+	
•	Current Carrying		Exposed with current carrying at temperature 85°C,			Shell resistance : 10 mΩ max.				
		1	35% for 1000h.				nce : 1000 MΩ min.			
		DC 0.5A , Leave at i	, 30V room temperature for 2h after testir	na.		lashover or b				
Dry Heat/	Dry Heat/		Mated connector with contacts connected in series. Exposed with current carrying at temperature 105°C,			lamage, crac	k and looseness of parts.	Х	†	
Current Carrying										
		for 1000h DC 0.5A								
			room temperature for 2h after testir	ng.						
Cold Resistance			Leave at -40 °C, for 500h			① Contact resistance : 70 mΩ max.				
		Leave at	5 to 35℃ for 1 to 2h After testing.		_	Il resistance	: 10 mΩ max.			
Correcion Sal	t Mict	Evposodi	in 5 % salt water spray for 48 h.				k and looseness of parts.	х	+	
Corrosion Sai	Corrosion Salt Mist		Exposed III 5 % Salt water spray for 46 ff.			① Contact resistance : 70 mΩ max. Shell resistance : 10 mΩ max.				
							nce : 25 MΩ min.			
					3 No h	neavy corrosio	on.			
(Note 1) The o	operation temp	erature include	es the temperature rise by current of	carrying.						
COUN	JT	DESCRIPTI	ON OF REVISIONS	DI	ESIGNED		CHECKED		ATE	
,O.								+		
REMARK						APPROVED	RI. TAKAYASU	18 (06. 05	
						CHECKED	AH. KODAMA		06. 05	
						DESIGNED	MO. SHIMOYAMA		06. 05	
I Inless othe	rwice checifi	ad refer to l	refer to IEC 60512			DRAWN MT. YASUDA			06. 05	
			, refer to IEC 60512. AT:Assurance Test X:Applicable Test DRAWI			ELC-120500-20-03			70. 00	
11010 Q1.Q0			E OLE LO LE E E							
HS.	S	SPECIFICATION SHEET			T NO.					
1	HIR	HIROSE ELECTRIC CO., LTD.			DE NO	CL2	30-0520-9-20	Ճ	1/2	

SPECIFICATIONS										
ITEI	M	TEST METHOD			REQUI	REMENTS	Q ⁻	AT		
Mixed Gas		Sulfur dioxide : 10 ppm Hydrogen sulfide : 3 ppm Temperature : 40 ± 2 °C Humidity : 70 to 80 % Exposed for 96 h		Shell	ract resistance: I resistance: eavy corrosion.		X	_		
Machining Oil		Soak in machining oil at temperature 85 °C,for 100h Tested with 3 different oils separately: UNISOLUBLE HD, UNISOLUBLE CC AND UNICUT	TB15.	Shell 2 Insul 3 No fl	l resistance ation resistance ashover or brea		X	_		
Resistance to Soldering Heat		Soldering iron bit temperature : 350 \pm 10 $^{\circ}$ C, duratio 0.5 s. Solder temperature : 260 \pm 5 $^{\circ}$ C, duration 10 \pm 1 s			rmation of case ss of the termina		Х	_		
Solderability		Soldered at solder temperature 245 \pm 5 $^{\circ}\!$			of solder imme new solder coa	rsed area shall be iing.	Х	_		
Note QT:Qual				RAWING NO.		ELC-1205	00-20-0	3		
				PART NO.		140B-20S-CV5 (20)				
	HIROSE ELECTRIC CO., LTD.			E NO	NO CL230-0520-9-20		<u>^</u>	2/2		