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APPLICA	BLE STANI	DARD										
	OPERATING TEMPERATURI	↑ -40 °C TO 105 °C STO			RAGE PERATURE RANGE		-10°CTO 50°C (PACKED CONDITIO		OMON)			
RATING	VOLTAGE		50 V AC / DC		DC	ODED/		R STORAGE E	RELATIVE HUMIDITY 90 % MAX (N		NOT DEWED)	
CURRENT			0.5 A	(note	1)	APPL	ICABLE CABLE $t=0.3\pm0.05$ mm, GOLD P			D PLATI	ING	
				SPE	CIFIC	CATIO	NS					
IT	EM		TEST	METHO)			REC	QUIREMENTS	QT	AT	
	UCTION											
			Y AND BY MEAS		INSTRU	MENT.	ACCO	RDING TO	DRAWING.	×	×	
MARKING			MED VISUALLY.							×	×	
	C CHARA						50 mO	MAY			Τ.,	
CONTACT RESISTANCE		1mA(DC OR 1000Hz).				50 m Ω MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)			×	×		
NSULATION RESISTANC		100 V DC.				500 Mg			×	×		
		150 V AC FOR 1 min.				NO FLASHOVER OR BREAKDOWN.			×	×		
MECHAN	IICAL CHA	RACTE	RISTICS				I					
		20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			, , ,	_		
		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs.			×	_		
SHOCK 981 m		981 m/s ²	281 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 DIRECTIONS.				 μs. CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				_	
(COI		(CONNEC	MEASURED BY APPLICABLE FPC. (CONNECTOR, FPC AT INITIAL CONDITION. ITHICKNESS OF FPC SHALL BE t=0.30mm)			DIRECTION OF INSERTION: 0.4×n N MIN (n: NUMBER OF CONTACTS).			×	-		
ENVIRO	MENTAL		CTERISTIC		0.0011111	,	1			<u> </u>		
RAPID CHANGE OF TEI TEMPERATURE TIM		TEMPERATURE-40 \rightarrow +15 _{TO} +35 \rightarrow +105 \rightarrow +15 _{TO} +35 $^{\circ}$ C TIME 30 \rightarrow 2 TO 3 \rightarrow 30 \rightarrow 2 TO 3 min.				② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS			٧.	_		
		UNDER 5 CYCLES. EXPOSED AT 40±2 °C,							×	-		
DAMP HEAT	· ·	RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C,				① COI	NTACT RES	SISTANCE: 50 mΩ MA	(. ×	+-		
		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.				 ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS 			٧.			
DRY HEAT		EXPOSED AT 105±2 °C, 96 h.				OF PARTS. ① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.			(. ×	+		
COLD		EXPOSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			l l	+-		
CORROSION SALT MIST		EXPOSED AT 35±2 ℃ 5% SALT WATER SPRAY FOR 96 h.				CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				-		
SURPHUR DIOXIDE E		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 PPM FOR 96 h.							×	-		
HYDROGEN	SULPHIDE	EXPOSE	D AT 40±2 ℃,F 10 TO 15 PPM			DITY				×	-	
COUN	T DE	SCRIPTIC	N OF REVISION	NS		DESIG	INED		CHECKED	DA	ATE	
6		DIS-F	-00000491			SG. MA	SAKI		HS. SAKAMOTO		07. 25	
REMARK								APPROVE			05. 13	
\wedge							DESIGNE			05. 13 05. 12		
△ Unless otherwise specified, refer to IEC 60512.				DRAWN YS. EBI		-	05. 12 05. 12					
			urance Test X:A		e Test	DF	RAWING NO. ELC4-328248					
			г NO. FH52-**S-		FH52-**S-0. 5SI	1						
HS.	OF								11102 0 01 001	•		

SPECIFICATIONS								
ITEM TEST METHOD		REQUIREMENTS	QT	АТ				
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.) PEAK TMP. 250 °C MAX REFLOW TMP. 230 °C MIN FOR 30 sec. PRE-HEATING. 150 TO 200 °C 90 TO 120 sec. SOLDERING IRONS : 350 ± 10 °C, FOR 5± 1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_				
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 235±5 °C FOR IMMERSION DURATION, 2±0.5 sec.	A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95 % OF THE SURFACE BEING IMMERSED.	×	_				

(note 1)

WHEN THE SAME VALUE OF CURRENT ARE APPLID TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

Note QT	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	NG NO.	ELC4-328248-00		
HRS	SPECIFICATION SHEET	PART NO.	FH52-**S-0. 5SH			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2