APPLI	ICAE	BLE STAN	IDARD										
		OPERATING TEMPERATURE RANGE		-40 °C TO 85 °C			STORAGE TEMPERATURE RANGE		-10 °C TO 50 °C (PACKED CONDITION				
RATING	ا SN	VOLTAGE		50 V		DC		ATING C	OR STORAGE =	RELATIVE HUMIDITY 90 % MAX	(NOT DI	(NOT DEWED	
	ļ	CURRENT		1.7.7.7.				LICABLE CABLE t=0.3±0.05mm, GOLD F			PLATI	NG	
			I		SPE	CIFICA	ATIOI	NS		,			
	ITE	EM		TEST	METHOD	ı			RE	QUIREMENTS	QT	ТАТ	
		JCTION	. T					1					
GENERA MARKIN		AMINATION		Y AND BY MEAS MED VISUALLY.	SURING IN	NSTRUME	NT.	ACCORDING TO DRAWING.			×	×	
											×	×	
				CTERISTICS 1mA(DC OR 1000Hz).				50 mΩ MAX.			Τx	Τ×	
				,				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)					
INSULAT			100 V DC	100 V DC.				500 M	Ω MIN.		×	×	
VOLTAGE PROOF			150 V AC	150 V AC FOR 1 min.				NO FL	ASHOVER	OR BREAKDOWN.	×	×	
MECH	IAN	ICAL CH	ARACTE	RISTICS									
MECHANICAL OPERATION			20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×	-		
VIBRATI	ION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF 1 μs.			1 ×	-		
SHOCK				981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			② CONTACT RESISTANCE: 50 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	-		
			(CONNEC	MEASURED BY APPLICABLE FPC. (CONNECTOR, FPC AT INITIAL CONDITION. THICKNESS OF FPC SHALL BE t=0.30mm)				DIRECTION OF INSERTION: 0.4 × n N MIN (n: NUMBER OF CONTACTS)			×	-	
ENVIF	RON	MENTAL		CTERISTIC		0.00111111						<u> </u>	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE-40 \rightarrow +15 τ 0+35 \rightarrow +85 \rightarrow +15 τ 0+35 $^{\circ}$ C TIME 30 \rightarrow 2 τ 0 3 \rightarrow 30 \rightarrow 2 τ 0 3 min.			① CONTACT RESISTANCE: 50 mΩ MAX. ② INSULATION RESISTANCE: 50 MΩ MIN.			×	-				
DAMP HEAT			UNDER 5 CYCLES. EXPOSED AT 40±2 °C,				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	+-		
(STEAD)		,		RELATIVE HUMIDITY 90 TO 95 %, 96 h.				Ø 00	NT 1 0T DE	DIOTANIOS SO CAMAN			
DAMP HEAT,CYCLIC			EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.				 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 			×			
DRY HEAT			EXPOSED AT 85±2 °C, 96 h.				① CONTACT RESISTANCE: 50 mΩ MAX.			×	–		
COLD			EXPOSE	EXPOSED AT -40±3°C, 96 h.				OF PARTS.				-	
CORROSION SALT MIST				EXPOSED AT 35±2 °C 5% SALT WATER SPLAY FOR 96 h.				① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH			×	-	
SULPHUR DIOXIDE [JIS C 60068-2-42]			EXPOSE	EXPOSED AT 40±2 ℃ , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.				AFFECTS TO OPERATION OF CONNECTOR.			×	-	
		SULPHIDE C 60068-2-43		D AT 40±2 °C , F I0 TO 15 ppm			Y				×	-	
	OUNT		ESCRIPTION	ON OF REVISIO	NS		DESIG	SNED		CHECKED	DA	TE	
<u> </u>	714										12. 06. 12		
REMARK									APPROVE CHECKE		12. 0		
I VILIVIA I									DESIGNE		12.0		
I VEIVIAI ·				Unless otherwise specified, refer to JIS C 5402.				DRAWN			12. 06. 1		
	s othe	erwise spe	ecified, re	fer to JIS C 5	5402.				DRAWN	I NW. SANPET	12.0	וו. סע	
Unless		•	· · · · · · · · · · · · · · · · · · ·	fer to JIS C 5		est	DF	RAWIN		ELC4-150229		J6. 11	
Unless	QT:Qua	alification Te	st AT:Assı		plicable T	est	DF PART		G NO.		-16	ט. ו זי	

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. 2) 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:0	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC4-150229-16		
HRS	SPECIFICATION SHEET	PART NO.	FH12-**S-0. 5SH(54)		54)	
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2