APPLICA	BLE STAN	DARD										
OPERATING TEMPERATURI		E RANGE	-40 °C	TO 85	5 °C		RAGE PERATUI	RE RANGE	-1	0°CTO50°C(PACKED	COND	ITION)
RATING	VOLTAGE CURRENT		50 V AC / DC		С		RATING OR STORAGE IDITY RANGE		E REI	АТІЛЕ НИМІДІТУ 90 % МАХ	NOT DEWED)	
							LICABLE CABLE		t	=0.3±0.05mm, GOLD F	PLATI	NG
	I			SPEC	·	ATIO	NS		ı	·		
IT	EM		TEST N	METHOD				RE	QUIF	REMENTS	QT	АТ
	RUCTION						•					
	XAMINATION		AND BY MEAS	SURING IN	ISTRUM	IENT.	ACCO	RDING TO	DRA	WING.	×	×
MARKING			ED VISUALLY.								×	×
ELECTRICAL CHAR CONTACT RESISTANCE						50 mΩ MAX.				T	T	
						INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				×	×	
INSULATION		100 V DC.				500 Mg	<u> </u>			×	×	
RESISTANCE VOLTAGE PROOF		150 V AC FOR 1 min.				NO FL	ASHOVER	OR	BREAKDOWN.	×	×	
MECHAN	NICAL CHA	RACTE	RISTICS									
MECHANICA OPERATION	AL	20 TIMES INSERTIONS AND EXTRACTIONS.				 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				×		
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.				NO ELECTRICAL DISCONTINUITY OF 1 μs. CONTACT RESISTANCE: 50 mΩ MAX.			×	_		
SHOCK		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	-		
FPC RETEN	ITION FORCE	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)			×	-		
ENVIROI	NMENTAL		CTERISTIC		J.30IIIII)						
RAPID CHANGE OF		TEMPERATURE-40→+15T0+35→+85→+15T0+35°C				_				×	T -	
TEMPERATURE		TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$ UNDER 5 CYCLES.				 ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 						
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C,								×	_	
DAMP HEAT	,	RELATIVE HUMIDITY 90 TO 95 %, 96 h. EXPOSED AT -10 TO +65 °C,				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×	+_	
		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 OF PARTS. 						
DRY HEAT		EXPOSED AT 85±2 °C, 96 h.				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				×	1 –	
COLD		EXPOSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS 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]		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80±5% , 25±5 ppm FOR 96 h.			ITY	AFFECTS TO OPERATION OF CONNECTOR.				×	-	
	SULPHIDE C 60068-2-43		0 AT 40±2 °C , R 0 TO 15 ppm □			ITY					×	-
COUN	IT DE	SCRIPTIO	N OF REVISION	NS		DESIG	SNED			CHECKED	DA	ATE
0									- 1			
REMARK								NF. MIYAZAKI	15. 12. 09			
							DESIGNED			SJ. OKAMURA SG. MASAKI	15. 12. (15. 12. (
Unless oth	nerwise spe	ified, refer to IEC 60512.				DRAWN		-	RN. IIDA			
Note QT:Qualification Test AT:Assurance Test X:Applica				Γest					ELC-156279-55-0			
					PART	<u> </u>		 FH	FH12-**S-1SH(55)			
177		005 51 507010 00 1 70			CODE	DDE NO.		(CL586		1/2	
FORM HD0011-2-1				, , , , ,								

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	AT					
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.) PEAK TMP. 250 °C MAX REFLOW TMP. OVER 230°C WITHIN 60 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:	Qualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-156279-55-00			
HS	SPECIFICATION SHEET	PART NO.	FH12-**S-1SH(55)				
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL586	⚠	2/2	