APPLICA	BLE STAN	DARD											
	OPERATING TEMPERATUR	E RANGE	-40 °C	то	85 °	,C		PERATUR	RE RANGE		TO 50°C (PACKE	DCOND	топ)
RATING	VOLTAGE CURRENT		50 V AC / DC		OPERATING OR STORAGE HUMIDITY RANGE		RELATIVE	RELATIVE HUMIDITY 90 % MAX (NOT					
			0.5 A ( <b>note 1</b> )			ICABLE CABLE t=0.3±0.05mm, GC			±0.05mm, GOLE	PLATI	NG		
			,	SPE	ECIF	FICA	OITA	NS					
IT	EM		TEST N	ЛЕТНО	OD				RE	QUIREME	NTS	QT	АТ
CONSTR													
	EXAMINATION		Y AND BY MEAS MED VISUALLY.	SURING	G INST	TRUM	ENT.	ACCO	RDING TO	DRAWIN	G.	×	×
MARKING												×	×
	ICAL CHAI							50 mΩ MAX.				T ×	×
OOM NOT REGION IN OE		MIA(DC ON 1000112).				INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)							
INSULATION RESISTANC		100 V DC.					500 Mg	500 MΩ MIN.				×	
VOLTAGE P		150 V AC FOR 1 min.				NO FL	ASHOVER	OR BREA	AKDOWN.	×	×		
MECHAN	IICAL CHA	RACTE	RISTICS					I .				<u> </u>	1
MECHANICA OPERATION		20 TIMES INSERTIONS AND EXTRACTIONS.				<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>					_		
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL					① NO ELECTRICAL DISCONTINUITY OF 1 μs.				×	_	
SHOCK		DIRECTIONS.  981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.					<ul> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ul>					-	
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)				×	-		
ENVIRO	VMENTAL		CTERISTIC		= 1=0.30	omm)							
RAPID CHAI	NGE OF	TEMPERATURE-40→+15T0+35→+85→+15T0+35°C					=					1 —	
TEMPERAT	URE	TIME $30 \rightarrow 2 \text{ TO } 3 \rightarrow 30 \rightarrow 2 \text{ TO } 3 \text{ min.}$ UNDER 5 CYCLES.				(2) INSULATION RESISTANCE: 50 M $\Omega$ MIN. (3) NO DAMAGE, CRACK AND LOOSENESS							
DAMP HEAT (STEADY ST		EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.					OF	PARTS.			×	_	
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.				<ul> <li>② INSULATION RESISTANCE: 1 MΩ MIN.         (AT HIGH HUMIDITY)</li> <li>③ INSULATION RESISTANCE: 50 MΩ MIN.         (AT DRY)</li> <li>④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ul>				I.			
DRY HEAT		EXPOSED AT 85±2 °C, 96 h.				① CONTACT RESISTANCE: $50 \text{ m}\Omega$ MAX.				. ×	<del> </del>		
COLD		EXPOSED AT -40±3°C, 96 h.				② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				s ×	<del> </del>		
		EXPOSED AT 35±2 °C 5% SALT WATER SPLAY FOR 96 h.				① CONTACT RESISTANCE: 50 mΩ MAX. ② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.				. ×	-		
SULPHUR DIOXIDE [JIS C 60068-2-42]		EXPOSED AT 40±2 °C , RELATIVE HUMIDITY  80±5% , 25±5 ppm FOR 96 h.								×	-		
	SULPHIDE C 60068-2-43]		D AT 40±2 °C , R 10 TO 15 ppm			JMIDIT	Υ	-				×	_
COUN	T DE	SCRIPTIO	N OF REVISION	IS			DESIG	NED		CH	HECKED	DA	ATE
<b>Q</b>									 	1			
REMARK						APPROVED		-	NF. MIYAZAKI SJ. OKAMURA		15. 12. 09 15. 12. 09		
							DESIGNED			SG. MASAKI		12. 09	
Unless otherwise specified			ed, refer to IEC 60512.				DRAWN			RN. IIDA		10. 20	
Note QT:Qualification Test AT:Assi			surance Test X:Applicable Test DI			RAWING NO.			ELC-156279-55-				
HS.	SF	PECIFICATION SHEET PAR				PART	NO. FH12-**S-1SH		**S-1SH(55	5)			
	HIR	HIROSE ELECTRIC CO., LTD.					CODE	NO.		CL586		$\triangle$	1/2

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. OVER 230 °C WITHIN 60 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	-				
	PRE-HEATING. 150 TO 200°C 90 TO 120 sec. 2)SOLDERING IRONS : 350 ± 10 °C, FOR 5± 1 sec .							
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.	ELC-156279-55-00		
HR	HS SPECIFICATION SHEET		PART NO.	FH12-**S-1SH(55)			
467		HIROSE ELECTRIC CO., LTD.	CODE NO		CL586	Δ	2/2