APPLICA	BLE STAND	ARD										
OPERATING TEMPERATURE F		RANGE						0°C ⁻	TO +50°C(PACKED CONDITION)			
RATING	VOLTAGE		30V AC/DC		PERATING OR STORAG UMIDITY RANGE		E RE	RELATIVE HUMIDITY 90%MAX(NOT				
CURRENT		0.2A APPLICA			CABLE CA	CABLE t=0.2±0.0			.03mm, GOLD PLATED			
			SPEC	IFIC/	10ITA	NS						
Γ	ТЕМ		TEST METHOD					REQL	IREMENTS	QT	АТ	
CONSTR		1				I				1	1	
GENERAL EX	XAMINATION	VISUALL	UALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.				×	×	
MARKING		CONFIRM	CONFIRMED VISUALLY.							×	×	
ELECTRI	CAL CHAR	ACTERI	STICS									
VOLTAGE P	ROOF	90V AC F	FOR 1 min.			NO FLA	SHOVE	R OR I	BREAKDOWN.	×	×	
INSULATION	RESISTANCE	100V DC.			50MΩ MIN.				×	×		
CONTACT RESISTANCE		AC 20mV	C 20mV MAX (1KHz), 1mA.			100m $\Omega$ MAX. INCLUDING FPC BULK RESISTANCE (L=12mm)				×	×	
MECHAN	ICAL CHAP	RACTER	ISTICS			1						
VIBRATION			FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE						DISCONTINUITY OF 1 $\mu$ s.	×	_	
SHOCK		0.75 mm FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.  981 m/s <sup>2</sup> . DURATION OF PULSE 6ms AT 3 TIMES				② CONTACT RESISTANCE: 100mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS						
		_	AXIAL DIRECTIONS.			OF PARTS.				×	_	
MECHANICA	MECHANICAL OPERATION 10		10 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	_	
FPC RETENTION FORCE		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.20mm AT INITIAL CONDITION.)			DIRECTION OF INSERTION:  0.2N × NUMBER OF CONTACTS MIN.  (note1)				×	_		
ENVIRON	IMENTAL (	1	TERISTICS				<u> </u>			I		
CORROSION SALT MIST		EXPOSED AT 35±2°C, 5% SALT WATER SPRAY			Y	_			ANCE: 100m Ω MAX.	×	_	
		FOR 96h.				_	DAMAGI PARTS.	E, CRA	CK AND LOOSENESS			
						_			CORROSION WHICH			
	RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 $\rightarrow$ +15 TO +35 $\rightarrow$ +85 $\rightarrow$ +15TO+35 °C TIME 30 $\rightarrow$ 2 $\sim$ 3 $\rightarrow$ 30 $\rightarrow$ 2 $\sim$ 3 min			CONTACT RESISTANCE: 100m Ω MAX.     INSULATION RESISTANCE: 50M Ω MIN.				×	_	
DAMP HEAT			UNDER 5 CYCLES.  EXPOSED AT 40±2°C.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
			RELATIVE HUMIDITY 90 TO 95%, 96h.							×	_	
DAMP HEAT	DAMP HEAT,CYCLIC		EXPOSED AT -10 TO +65 °C RELATIVE HUMIDITY 90 TO 96 %			① CONTACT RESISTANCE: $100m\Omega$ MAX. ② INSULATION RESISTANCE: $1m\Omega$ MIN. (AT HIGH HUMIDITY)				×	_	
			10 CYCLES, TOTAL 240h.									
						③ INSULATION RESISTANCE: $50M\Omega$ MIN. (AT DRY)						
						4 NO	DAMAG	E, CR/	ACK AND LOOSENESS			
						OF F	PARTS.					
			1									
COUN	IT	DESCRIPTI	ON OF REVISIONS		DESIC				CHECKED	DA	DATE	
1 REMARK		DIS-F-00000511 YH.			YH.MIC	ICHIDA			YN.TAKASHITA		7.29	
KEWAKK							APPRO		NM.NISHIMATSU		6.13	
							CHECI		FN.TAMURA HH.MURAKAMI		6.10	
Unless otherwise specifie			ed, refer to IEC 60512.			DRAWN			HH.MURAKAMI		6.10	
Note QT:Q	Note QT:Qualification Test AT:Assurance Test X:Applicable Test							ELC4-338903	l l			
ЖS		SPECIF	PECIFICATION SHEET PAI			RT NO. FH35C-**S-0.3S		85C-**S-0.3SHW(	V(50)			
	HI	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL580			$\bigwedge$	1/2	

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ			
DRY HEAT	EXPOSED AT 85±2°C, 96h.	<ol> <li>CONTACT RESISTANCE: 100m Ω MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>	×	_			
COLD	EXPOSED AT -55±3°C, 96h.		×	_			
SULPHUR DIOXIDE [JIS C 0090]	EXPOSED AT 40±2°C, RELATIVE HUMIDITY 80±5 %, 25±5 ppm FOR 96h.	<ol> <li>CONTACT RESISTANCE: 100mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>	×	-			
HYDROGEN SULPHIDE [JIS C 0092]	EXPOSED AT 40±2°C, RELATIVE HUMIDITY 80±5 %, 10 TO 15 ppm FOR 96h.	③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	×	_			
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.	×	-			
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING: PEAK TMP. 250°CMAX. REFLOW TMP. 230°C MIN WITHIN 60 sec. 2) SOLDERING IRONS:	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_			
	TMP. 350±10°C FOR 5±1 sec.						

## (note1)

FASTEN FPC ON PCB OR SOMETHING FIXED IF FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED. DO NOT CLOSE THE ACTUATOR BEFORE INSERTING FPC EVEN AFTER THE CONNECTOR IS MOUNTED ONTO A PCB. CLOSING THE ACTUATOR WITHOUT FPC COULD MAKE THE CONTACT GAP SMALLER, WHICH INCREASES THE FPC INSERTION FORCE.

THIS CONNECTOR HAS CONTACT POINTS ON BOTH TOP AND BOTTOM.

Note QT:Qu	alification Test AT:Assurance Test X:Applicable Test	DRAWIN	G NO.	ELC4-338903-01		
HRS	SPECIFICATION SHEET	PART NO.	FH35C-**S-0.3SHW(50)			
ЛО	HIROSE ELECTRIC CO., LTD.	CODE NO.		CL580	$\triangle$	2/2