APPLICA	BLE STAN	DARD									
OPERATING TEMPERATURE		RE RANGE				LIVIIGE		-10°C TO +50°C(PACKED CONDITION)			
RATING VOLTAGE CURRENT			30V AC/DC			ATING OR STORAGE DITY RANGE		RELATIVE HUMIDITY 90%MAX(NOT			
			0.2A APPLI			CABLE CABLE t=0.2:			±0.03mm, GOLD PLATED		
			SPEC	IFIC/	IOITA	NS					
I	TEM		TEST METHOD					REQL	JIREMENTS	QT	AT
CONSTR	UCTION										
GENERAL E	XAMINATION	VISUALL	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.				×	×
MARKING		CONFIRM	CONFIRMED VISUALLY.							×	×
ELECTRI	CAL CHAP	RACTERI	STICS								
VOLTAGE P	ROOF	90V AC I	FOR 1 min.			NO FLA	SHOVE	RORI	BREAKDOWN.	×	×
INSULATION	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 CHA	RACTER	RISTICS								
VIBRATION		FREQUE	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				
		IN 3BOT	IN 3BOTH AXIAL DIRECTIONS.				PARTS.			×	_
MECHANICA	MECHANICAL OPERATION		10 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				×	_
FPC RETEN	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		TERISTICS			(110001)	<u>,                                      </u>				
CORROSION SALT MIST			EXPOSED AT 35±2°C, 5% SALT WATER SPRAY			_			TANCE: 100m Ω MAX.	×	
		FOR 96h				_	DAMAGI PARTS.	E, CRA	ACK AND LOOSENESS		
						O			CORROSION WHICH RATION OF CONNECTOR	.   L	
	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			1 CONTACT RESISTANCE: 100mΩ MAX. 2 INSULATION RESISTANCE: 50MΩ MIN.				×	_
DAMP HEAT			UNDER 5 CYCLES.  EXPOSED AT 40±2°C.				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
(STEADY ST	TATE)	RELATIV	RELATIVE HUMIDITY 90 TO 95%, 96h.							×	_
DAMP HEAT	C,CYCLIC	RELATIV	EXPOSED AT -10 TO +65 °C RELATIVE HUMIDITY 90 TO 96 % 10 CYCLES, TOTAL 240h.			<ul> <li>① CONTACT RESISTANCE: 100m Ω MAX.</li> <li>② INSULATION RESISTANCE: 1M Ω MIN.         (AT HIGH HUMIDITY)</li> <li>③ INSULATION RESISTANCE: 50M Ω MIN.</li> </ul>				×	_
						(AT DRY)  ① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.					
COUN	т	DESCRIPT	ION OF REVISIONS		DESIG	GNED			CHECKED	DΔ	TE
1					MICHIDA YN.TAKASHITA				15.07.29		
REMARK	<u> </u>			1		-	APPRO	VED	NM.NISHIMATSU	11.0	
							CHEC	KED	FN.TAMURA	11.0	6.10
l			<b></b>				DESIG	NED	HH.MURAKAMI	11.0	6.10
Unless ot	herwise sp	ecified, re	cified, refer to IEC 60512.			DRAWN		WN	HH.MURAKAMI	11.0	6.10
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				С	DRAWING NO. ELC4-338			ELC4-338903	3-01		
HS.		SPECIFICATION SHEET			PART NO.		FH35C-**S-0.3SHV		35C-**S-0.3SHW(	50)	
4 L V   HII		ROSE ELECTRIC CO., LTD.			CODE	CODE NO.		CL580			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: TMP. 350±10°C FOR 5±1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_				

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