APPLICA	BLE STAND	DARD									
	OPERATING TEMPERATUR	F RANGE	-55°C TO +105°C ∕\		TORAGE EMPERATURE RANGE		-1	-10°C TO +50°C(PACKED CONDITION			)
RATING	VOLTAGE	L TO WAL	30V AC/DC	OPE	OPERATING OR STORA HUMIDITY RANGE		GE RE	RELATIVE HUMIDITY 90%MAX(NOT			ED)
	CURRENT		0.2A	APP	APPLICABLE CABLE		t=	t=0.2±0.03mm, GOLD PLATED			
	l		SPEC	IFIC/	OITA	NS	<u> </u>		·		
I	TEM		TEST METHOD					REQL	JIREMENTS	QT	AT
CONSTR						I.					1
GENERAL E	XAMINATION	VISUALL	VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.				×	×
MARKING		CONFIRMED VISUALLY.							×	×	
ELECTRI	CAL CHAR	ACTERI	STICS								
VOLTAGE P	ROOF	90V AC F	FOR 1 min.			NO FLA	SHOVE	R OR I	BREAKDOWN.	×	×
INSULATION	INSULATION RESISTANCE		100V DC.			50MΩ MIN.				×	×
CONTACT RESISTANCE		AC 20mV	AC 20mV MAX (1KHz), 1mA.			100m $\Omega$ MAX. INCLUDING FPC BULK RESISTANCE (L=12mm)			×	×	
MECHAN	ICAL CHAI	RACTER	RISTICS								1
VIBRATION		FREQUE	FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE				① NO ELECTRICAL 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 3 BOT	H AXIAL DIRECTIONS.			OF PARTS.			×	_	
MECHANICAL OPERATION		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)			×	-		
FNVIRON	IMFNTAL (	-	TERISTICS			(110181)				1	1
	CORROSION SALT MIST		EXPOSED AT 35±2°C, 5% SALT WATER SPRAY			① CONTACT RESISTANCE: 100mΩ MAX.			Τ.,		
		FOR 96h.			NO DAMAGE, CRACK AND LOOSENESS     OF PARTS.     NO EVIDENCE OF CORROSION WHICH			×			
						_			RATION OF CONNECTOR		
	RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 $\rightarrow$ +15 TO +35 $\rightarrow$ +85 $\rightarrow$ +15TO+35 $^{\circ}$ C TIME 30 $\rightarrow$ 2 TO 3 $\rightarrow$ 30 $\rightarrow$ 2 TO 3 min UNDER 5 CYCLES. EXPOSED AT 40 $\pm$ 2 $^{\circ}$ C,			<ul> <li>① CONTACT RESISTANCE: 100m Ω MAX.</li> <li>② INSULATION RESISTANCE: 50M Ω MIN.</li> <li>③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ul>				×	-
DAMP HEAT											
(STEADY ST		RELATIVE HUMIDITY 90 TO 95%, 96h.			(1) CONTACT DESIGNABLE: 100 (2) MAY				×	_	
DAMP HEAT,CYCLIC		RELATIV	EXPOSED AT -10 TO +65 °C RELATIVE HUMIDITY 90 TO 96 % 10 CYCLES, TOTAL 240h.			① CONTACT RESISTANCE: $100m\Omega$ MAX. ② INSULATION RESISTANCE: $1M\Omega$ MIN. (AT HIGH HUMIDITY)			×	_	
						③ INSULATION RESISTANCE: 50MΩ MIN. (AT DRY)					
						(AT DRY)     NO DAMAGE, CRACK AND LOOSENESS     OF PARTS.					
						OI F	AITTO.				
	1									 	
COUN	11		ION OF REVISIONS		DESIG				CHECKED		ATE
ZIX 1   REMARK		DIS-F-00000511 YH.MI			HIDA	ADDDC	\\	YN.TAKASHITA		7.29	
TALIMIT AT AT A						_	APPRO		MO.ISHIDA HS.SAKAMOTO		01.24
							DESIG		YS.EBI		)1.24
Unless otherwise specified, refer to IEC 60512							DRAWN NM.SANPEI			)1.21	
Note QT:Q	Note QT:Qualification Test AT:Assurance Test X:Applicable Test				D	DRAWING NO. ELC4-338			ELC4-338903	03-05	
нs		SPECIFICATION SHEET F			PART	ART NO. FH35C-**S-0.3SH		35C-**S-0.3SHW(	99)		
I TO		ROSE ELECTRIC CO., LTD.			CODE	DE NO.		CL580		$\bigwedge$	1/2

	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ
DRY HEAT	EXPOSED AT 85±2°C, 96h.	<ol> <li>CONTACT RESISTANCE: 100mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>	×	_
COLD	EXPOSED AT -55±3°C, 96h.		×	_
SULPHUR DIOXIDE [JIS C 60068-2-42]	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 60068-2-43]	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.	ELC4-338903-05		
ЖS	SPECIFICATION SHEET	PART NO.	FH35C-**S-0.3SHW(99)			
ЛО	HIROSE ELECTRIC CO., LTD.	CODE NO.		CL580	$\triangle$	2/2