APPLICA	BLE STAN	DARD			lotor	2405		1			
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		-55 °C TO 85 °C TE		TEMF	RAGE IPERATURE RANGE		-10°CTO50°C(PACKEDC		COND	
RATING					HUMIC		YATING OR STORAGE DITY RANGE		RELATIVE HUMIDITY 90 % MAX (I		NOT DEWED
			0.4 A ( <i>note 1</i> )			ICABLE	CABLE	t	=0.3±0.03mm, GOLD	PLATING	
			SPEC	IFIC	ATIO	NS					
I	ГЕМ		TEST METHOD				RE	QUIR	EMENTS	QT	A
CONSTR	RUCTION					•				•	
			Y AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.				×	×
MARKING CONFIRM			MED VISUALLY.			1			×	×	
ELECTR	IC CHARA	CTERIS	TICS								
VOLTAGE P			FOR 1 min.			NO FL	ASHOVER	OR B	REAKDOWN.	×	×
INSULATION 100 V DO			<b>3</b> .			500 MΩ MIN.				×	×
RESISTANCE CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.			100 mg	2 MAX.			+x	+	
JOHN THE HOLL AU Z			20 III MAX ( 1 1 1 1 2 ) , 1 IIIA .			INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)				^	
MECHAN	NICAL CHA	RACTE	RISTICS							1	-
VIBRATION FREQUI			QUENCY 10 TO 55 Hz, HALF AMPLITUDE			① NO ELECTRICAL DISCONTINUITY OF 1				×	Τ-
SHOOK		0.75 mm, FOR 10 CYCLES IN 3 DIRECTIONS.			μs.				_		
			981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 AXIAL DIRECTIONS.			② CONTACT RESISTANCE: 100 mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	-	
MECHANICAL 20 TIM OPERATION		20 TIMES	ES INSERTIONS AND EXTRACTIONS.			<ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>			×	-	
ÀT INITIA			IESS OF FPC SHALL BE t=0.30mm AL CONDITION.)			DIRECTION OF INSERTION: 0.15×n N MIN (n: NUMBER OF CONTACTS). (note 2)			×	-	
			CTERISTICS			I					
CORROSION SALT MIST EXPOSE FOR 96			SED AT 35±2 °C, 5 % SALT WATER SPRAY 6 h.			<ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> <li>NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.</li> </ol>			×		
TEMPERATURE TIME		TIME				<ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.</li> <li>NO DAMAGE, CRACK AND LOOSENESS</li> </ol>			×	-	
DAMP HEAT	Г	-	OSED AT 40±2 °C,			OF PARTS.				×	†-
(STEADY ST			HUMIDITY 90 TO 95 %, 9	96 h.							
DAMP HEAT,CYCLIC		RELATIVE	ED AT -10 TO +65 °C, VE HUMIDITY 90 TO 96 %, LES, TOTAL 240 h.			<ul> <li>① CONTACT RESISTANCE: 100 mΩ MAX.</li> <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>			×		
COUN	IT DI	ESCRIPTIO	N OF REVISIONS		DESIG	SNED			CHECKED	DA	ΙΤΕ
$\Delta$							T				
REMARK					APPROVE		ED	D MO. ISHIDA		13. 08. 2	
							CHECKE	D	YN. TAKASHITA	13.0	08. 23
					DESIGNE		D	SI. TAMAKI	13.0		
Unless otherwise specified, re			efer to JIS C 5402.		DRAWN		<u> </u>	TO. HATTOR I		08. 2	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DF	RAWING NO.			ELC4-349488-				
RS SPECIFICATION			CATION SHEET	EET PART		NO.		FH	FH55M-**S-0. 4SH		
ORM HD0011-		OSE EL	ECTRIC CO., LTD.		CODE	NO.		С	L580	Δ	1/2

SPECIFICATIONS							
ITEM	TEST METHOD	REQUIREMENTS	QT	AT			
DRY HEAT	EXPOSED AT 85±2 °C, 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX.	×	_			
COLD	EXPOSED AT -55±3°C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	-			
[JIS C 0090]	EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 80±5% 25±5 PPM FOR 96 h.	<ol> <li>CONTACT RESISTANCE: 100 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS OF PARTS.</li> </ol>	×	_			
	EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 80±5%, 10 TO 15 PPM FOR 96 h.	③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.	×	-			
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, 245±3°C FOR IMMERSION DURATION, 3±0.3 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 °C MAX. REFLOW TMP. 230 °C MIN FOR 60 sec. 2) SOLDERING IRONS: TMP. 350±10 °C FOR 5±1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_			

## (note1)

WHEN THE SAME VALUE OF CURRENT ARE APPLIED TO ALL CONTACTS AT THE SAME TIME IN ONCE, SET THE CURRENT TO THE 70 % OF THE RATED CURRENT VALUE.

## (note2)

THIS PRODUCT HAS FLIP-LOCK CONSTRUCTION. FASTEN FPC ON PCB OR SOMETHING FIXED IF FORCE IN VERTICAL DIRECTION SHALL BE PREDICTED.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC4-349488-00			
HRS	RS SPECIFICATION SHEET		FH55M-**S-0.4SH				
	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2	