APPLICA	BLE STAN	IDARD			T.						
	OPERATING TEMPERATURE RANGE			-40 °C TO 125 °C TEMP		RAGE PERATURE RANGE PATING OR STORAGE			°CTO 50°C (PACKE		
RATING	VOLTAGE CURRENT		50 V AC / D	С	HUMIC	OTY RANG	E	RELA	ТИЕНИМІДІТУ 90 %МА	X(NOT D	EWED
			0.5 A ( <b>note 1</b> )		APPL	APPLICABLE CABLE		t=0.3±0.05mm, GOLD PLATII			
			CDEC	NEIO	^ TIO	NIC			HEAT RESISTANCE	: 125	C
		1	SPEC	,IFIC,	4110	112				1	
	EM		TEST METHOD				REC	QUIRE	MENTS	QT	AT
	RUCTION	Thurst IALL	V AND DV MEAGUDING IN	IOTOL IN A	- N I <del>-</del> T	140001					
GENERAL EXAMINATION				NS I RUMI	=N1.	ACCORDING TO DRAWING.				×	×
MARKING			MED VISUALLY.							×	×
ELECTRICAL CHA					1						
CONTACT RESISTANCE		1mA(DC OR 1000Hz).			50 mΩ	MAX.			×	×	
					INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)						
INSULATION	V	100 V DC.			(L=8mm) 500 MΩ MIN.				×	×	
RESISTANC	E		100 4 50.							^	^
VOLTAGE P	PROOF	150 V AC	150 V AC FOR 1 min.			NO FL	ASHOVER	OR BI	REAKDOWN.	×	×
MECHAN	NICAL CH	ARACTE	RISTICS			1					
MECHANIC/			S INSERTIONS AND EXTR	ACTIONS	S.	① CONTACT RESISTANCE: 50 mΩ MAX.			×	_	
OPERATION		ESTIMES INSERTIONS AND EXTENSIONS.			② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			×	-		
			DIRECTIONS.				② CONTACT RESISTANCE: 50 mΩ MAX.				
SHOCK		981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			s ×	-		
FPC RETENTION FORCE		MEASURED BY APPLICABLE FPC. (CONNECTOR,FPC AT INITIAL CONDITION.			DIRECTION OF INSERTION: 0.4×n N MIN (n:NUMBER OF CONTACTS).			×	-		
			SS OF FPC SHALL BE t=0	0.30mm)							
			ACTERISTICS								
RAPID CHANGE OF TEMPERATURE		-				② INSULATION RESISTANCE: 50 M $\Omega$ MIN.					-
DAMP HEAT		UNDER 1000 CYCLES.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.						
(STEADY S		EXPOSED AT 60±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 1000 h.			Oi	FARTS.			×	-	
DAMP HEAT,CYCLIC		•			<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>INSULATION RESISTANCE: 1 MΩ MIN.         (AT HIGH HUMIDITY)</li> <li>INSULATION RESISTANCE: 50 MΩ MIN.         (AT DRY)</li> <li>NO DAMAGE, CRACK AND LOOSENESS</li> </ol>					_	
		EVBOSE	EXPOSED AT 125±2 °C, 1000 h.			OF PARTS.				-	+-
DRY HEAT						<ol> <li>CONTACT RESISTANCE: 50 mΩ MAX.</li> <li>NO DAMAGE, CRACK AND LOOSENESS</li> </ol>					
COLD			EXPOSED AT -55±3°C, 1000 h.			OF PARTS.				×	<u>_</u>
CORROSION SALT MIST					① CONTACT RESISTANCE: 50 mΩ MAX.				, , ,	-	
SULPHUR DIOXIDE			R 96 h. POSED AT 40±2 °C , RELATIVE HUMIDITY 5% , 25±5 ppm FOR 96 h.			② NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR.			×	-	
HYDROGEN	SULPHIDE	EXPOSE	D AT 40±2 °C , RELATIVE 10 TO 15 ppm FOR 96 h.	HUMIDIT	Υ	1				×	-
COUN		-	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ATE
<b>A</b>											
REMARK							APPROVE	D	NF.MIYAZAKI	16. (	03. 30
							CHECKED		HS. SAKAMOTO	16. 0	
Inless oth	nerwise sne	cified re	cified, refer to IEC 60512.			DESIGNED		_	HK. KINOUCHI	16. 03. 16. 03.	
·						RAWING NO.		+	RK. OGASAWARA 16 ELC-365730-00-		
					PART			 FH	FH52K-**S-0. 5SH		
HS.	-	HIROSE ELECTRIC CO., LTD.			CODE	_					1/2
		OOL LELOTHIO OO., LTD.		JODE	- INO.	ULUOU A		~~	., <i>-</i> _		

SPECIFICATIONS								
ITEM	TEST METHOD	REQUIREMENTS	QT	ΑТ				
RESISTANCE TO	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.)	NO DEFORMATION OF CASE OF	×	_				
SOLDERING HEAT	PEAK TMP. 250 °C MAX	EXCESSIVE LOOSENESS OF THE						
	REFLOW TMP. OVER 230 °C WITHIN 60 sec.	TERMINALS.						
	PRE-HEATING. 150 TO 200°C							
	90 TO 120 sec.							
	2)SOLDERING IRONS : 400 ± 10 °C,							
	FOR 5±1 sec.							
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE,	A NEW UNIFORM COATING OF SOLDER	×	_				
	245±3 °C FOR IMMERSION DURATION, 3±0.3	SHALL COVER A MINIMUM OF 95 % OF						
	sec.	THE SURFACE BEING IMMERSED.						

## (note 1)

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.

Note C	T:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC-365730-00-01		
H		PART NO.	1	FH52K-**S-0. 5SH		
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	$\triangle$	2/2