RATING	OPERATING	E DANCE	⚠ -40 °C TO 105 °C	 5 °C	STORA		-10°CTO50°C(PACKED	CONDI	TIO1	
DATING	TEMPERATUR VOLTAGE	E RANGE	50 V AC / D		OPERA [*]	ERATURE RANGE TING OR STORAG TY RANGE	· · · · · · · · · · · · · · · · · · ·	RELATIVE HUMIDITY 90 % MAX (NOT DEV		
			0 5 A /noto 1			CABLE CABLE	+ 0.0 + 0.05 001.0			
	CURRENT		0.5 A (note 1	,		10	t=0.3±0.05mm, GOLD F	² LA I II	NG	
			SPEC	IFICAT	IOI	15				
	TEM	<u></u>	TEST METHOD			RE	EQUIREMENTS	QT	1	
	RUCTION	II. II OLI ALL	V AND DV MEAGUDING IN	IOTOLINAENI'		ACCORDING TO	DDAWNO			
	=XAMINATION		Y AND BY MEASURING IN	12 I KOMEN	1.	ACCORDING TO	DRAWING.	×	-	
MARKING	10.0114.04		CONFIRMED VISUALLY.					×		
	IC CHARA					50 0 1447/			1	
CONTACT RESISTANCE						50 m Ω MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8mm)		×		
INSULATIO RESISTANO		100 V DC) .			500 MΩ MIN.		×		
VOLTAGE I		150 V AC	0 V AC FOR 1 min. NO FLASHOVER OR BRE			R OR BREAKDOWN.	×			
MECHAI	VICAL CHA	RACTE	RISTICS						-	
MECHANICAL OTIA MECHANICAL OPERATION		20 TIMES	20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 		×	-	
VIBRATION		0.75 mm, DIRECTION	FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			 NO ELECTRICAL DISCONTINUITY OF 1 μs. CONTACT RESISTANCE: 50 mΩ MAX. 		×		
SHOCK 9						③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		×		
FPC RETENTION FORCE MEASURED BY APPLICABLE FPC. (CONNECTOR, FPC AT INITIAL CONDITION THICKNESS OF FPC SHALL BE t=0.30mm)			ONDITION.		DIRECTION OF (n : NUMBER O	FINSERTION: 0.4×n N MIN F CONTACTS).	×			
ENVIRO	NMENTAL		ACTERISTICS	<u> </u>						
RAPID CHANGE OF T TEMPERATURE T U DAMP HEAT E		TEMPER TIME	TEMPERATURE-40→+15 _{TO} +35→+105→+15 _{TO} +35°C			② INSULATION RESISTANCE: 50 M Ω MIN.		×		
		EXPOSE				③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				
DAMP HEAT, CYCLIC		EXPOSE		-65 °C,		① CONTACT RE	ESISTANCE: 50 mΩ MAX.	×		
		RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			 ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS 					
DAWI HEA						(AT DRY) 4 NO DAMAGE				
			D AT 105+2 °C 96 h		((AT DRY) 4 NO DAMAGE OF PARTS.	, CRACK AND LOOSENESS			
DRY HEAT		EXPOSE	•		((AT DRY) 4 NO DAMAGE OF PARTS. 1 CONTACT RI		×		
DRY HEAT	ON SALT MIST	EXPOSE EXPOSE	D AT -40±3°C, 96 h.		RAY	(AT DRY) 4 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO DAMAGE OF PARTS. 1 CONTACT RI	, CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX. , CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX.	×		
DRY HEAT COLD CORROSIC SULPHUR I	DIOXIDE	EXPOSE EXPOSE FOR 96 I	D AT -40±3°C, 96 h. D AT 35±2 °C 5% SALT v. h. D AT 40±2 °C , RELATIVE	WATER SPF	RAY	(AT DRY) 4 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO EVIDENC AFFECTS TO	, CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX. , CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX. DE OF CORROSION WHICH OPERATION OF	×		
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI	DIOXIDE S C 60068-2-42 N SULPHIDE	EXPOSE EXPOSE FOR 96 I EXPOSE] 80±5%,	ED AT -40±3°C, 96 h. ED AT 35±2°C 5% SALT V	WATER SPF	RAY	(AT DRY) 4 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO EVIDENCE	, CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX. , CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX. DE OF CORROSION WHICH OPERATION OF	×		
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI [JIS	DIOXIDE S C 60068-2-42 N SULPHIDE S C 60068-2-43	EXPOSE EXPOSE FOR 96 I EXPOSE] 80±5%, EXPOSE] 80±5%,	D AT -40±3°C, 96 h. D AT 35±2 °C 5% SALT v. h. D AT 40±2 °C, RELATIVE 25±5 ppm FOR 96 h. D AT 40±2 °C, RELATIVE	WATER SPE	RAY	(AT DRY) 4 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO EVIDENC AFFECTS TO CONNECTOR	, CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX. , CRACK AND LOOSENESS ESISTANCE: $50~\text{m}\Omega$ MAX. DE OF CORROSION WHICH OPERATION OF	× × ×		
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI [JIS COUN	DIOXIDE S C 60068-2-42 N SULPHIDE S C 60068-2-43	EXPOSE EXPOSE FOR 96 I EXPOSE] 80±5%, EXPOSE] 80±5%,	D AT -40±3°C, 96 h. D AT 35±2 °C 5% SALT v. h. D AT 40±2 °C , RELATIVE 25±5 ppm FOR 96 h. D AT 40±2 °C , RELATIVE 10 TO 15 ppm FOR 96 h.	WATER SPE	RAY	(AT DRY) (A) NO DAMAGE OF PARTS. (D) CONTACT RI (E) NO DAMAGE OF PARTS. (E) CONTACT RI (E) NO EVIDENCY AFFECTS TO CONNECTOR	, CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. , CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. DE OF CORROSION WHICH OPERATION OF R.	× × × × ×	·	
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI [JIS	DIOXIDE S C 60068-2-42 N SULPHIDE S C 60068-2-43	EXPOSE EXPOSE FOR 96 I EXPOSE] 80±5%, EXPOSE] 80±5%,	D AT -40±3°C, 96 h. D AT 35±2 °C 5% SALT v. h. D AT 40±2 °C, RELATIVE 25±5 ppm FOR 96 h. D AT 40±2 °C, RELATIVE 10 TO 15 ppm FOR 96 h. DN OF REVISIONS	WATER SPE	RAY	(AT DRY) (AT DR	CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CE OF CORROSION WHICH OPERATION OF R. CHECKED HS. SAKAMOTO ED MO. ISHIDA	× × × × × 15.00 12.1		
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI [JIS A COUN A REMARK	DIOXIDE S C 60068-2-42 N SULPHIDE S C 60068-2-43	EXPOSE EXPOSE FOR 96 I EXPOSE] 80±5%, EXPOSE] 80±5%,	D AT -40±3°C, 96 h. D AT 35±2 °C 5% SALT v. h. D AT 40±2 °C, RELATIVE 25±5 ppm FOR 96 h. D AT 40±2 °C, RELATIVE 10 TO 15 ppm FOR 96 h. DN OF REVISIONS	WATER SPE	RAY	(AT DRY) (AT DR	CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. ES OF CORROSION WHICH OPERATION OF R. CHECKED HS. SAKAMOTO ED HS. SAKAMOTO	X X X X A 15.0 12.1 12.1	ATE	
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI [JIS A 4 REMARK	DIOXIDE 6 C 60068-2-42 N SULPHIDE 6 C 60068-2-43	EXPOSE EXPOSE FOR 96 I EXPOSE] 80±5%, EXPOSE] 80±5%, EXPOSE DIS-	ED AT -40±3°C, 96 h. ED AT 35±2 °C 5% SALT v. h. ED AT 40±2 °C, RELATIVE 25±5 ppm FOR 96 h. ED AT 40±2 °C, RELATIVE 10 TO 15 ppm FOR 96 h. ED ON OF REVISIONS F-00000491	WATER SPE	RAY	(AT DRY) (AT DR	CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CE OF CORROSION WHICH OPERATION OF R. CHECKED HS. SAKAMOTO ED HS. SAKAMOTO ED SG. MASAKI	X X X X 15.00 12.1 12.1 12.1	ATE 11. 11.	
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI [JIS A 4 REMARK LUnless ot	DIOXIDE S C 60068-2-42 N SULPHIDE S C 60068-2-43 NT DE	EXPOSE EXPOSE FOR 96 I EXPOSE [3 80±5%] EXPOSE [3 80±5%] EXPOSE [4 Color of the col	D AT -40±3°C, 96 h. D AT 35±2 °C 5% SALT v. h. D AT 40±2 °C, RELATIVE 25±5 ppm FOR 96 h. D AT 40±2 °C, RELATIVE 10 TO 15 ppm FOR 96 h. DN OF REVISIONS	WATER SPE	DESIGN SG. MAS	(AT DRY) 4 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO DAMAGE OF PARTS. 1 CONTACT RI 2 NO EVIDENC AFFECTS TO CONNECTOF NED AKI APPROV CHECKE DESIGN DRAWI	CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CE OF CORROSION WHICH OPERATION OF R. CHECKED HS. SAKAMOTO ED MO. ISHIDA ED HS. SAKAMOTO ED SG. MASAKI N SS. NABAE	X X X X A 15.0 12.1 12.1 12.1	ATE 11.	
DRY HEAT COLD CORROSIC SULPHUR I [JIS HYDROGEI [JIS A 4 REMARK LUnless ot	DIOXIDE 6 C 60068-2-42 N SULPHIDE 6 C 60068-2-43 NT DE	EXPOSE EXPOSE FOR 96 I EXPOSE J 80±5%, EXPOSE B0±5%, EXPOSE Cified, re st AT:Ass	ED AT -40±3°C, 96 h. ED AT 35±2 °C 5% SALT v. h. ED AT 40±2 °C, RELATIVE 25±5 ppm FOR 96 h. ED AT 40±2 °C, RELATIVE 10 TO 15 ppm FOR 96 h. EDN OF REVISIONS F-00000491 fer to IEC 60512.	WATER SPE HUMIDITY HUMIDITY	DESIGN SG. MAS	(AT DRY) (AT DR	CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CRACK AND LOOSENESS ESISTANCE: 50 mΩ MAX. CE OF CORROSION WHICH OPERATION OF R. CHECKED HS. SAKAMOTO ED HS. SAKAMOTO ED SG. MASAKI	X X X X A 15.0 12.1 12.1 12.1	ATE 11.	

SPECIFICATIONS							
ITEM TEST METHOD REQUIREM		REQUIREMENTS	QT	АТ			
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (TO BE 2 TIMES MAX.) PEAK TMP. 250 °C MAX REFLOW TMP. OVER 230 °C WITHIN 60 sec. PRE-HEATING. 150 TO 200 °C 90 TO 120 sec. 2) SOLDERING IRONS : 350 ± 10 °C, FOR 5± 1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_			
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.	×	_			

(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 Q	:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.		ELC4-347552-01		
R	SPECIFICATION SHEET	PART NO.	FH52E-**S-0. 5SH			
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2