APPLI		LE STAN	DARD						-				
OPERATING TEMPERATUR			E RANGE	_E -55 °C TO 85 °C _{TE}		TEMP	RAGE IPERATURE RANGE		-	$-10^{\circ}\mathrm{C}\mathrm{TO}50^{\circ}\mathrm{C}$ (PACKED CONDITION)			
RATING VOLTAGE				30 V AC / DC		OPERATING OR HUMIDITY RANGE		E	AGE F	RELATIVE HUMIDITY 90 % MAX (NOT DEV			
CURRENT				0.2 A			t=0.2±0.03mm, GOLD			PLATI	NG		
				SPEC	IFIC	IOITA	NS						
	ITE	M		TEST METHOD				F	REQU	IREMENTS	QT	AT	
CONS	TRI	JCTION	•										
GENERA	AL EX	AMINATION	VISUALL	Y AND BY MEASURING IN	ISTRUM	ENT.	ACCO	RDING T	O DF	RAWING.	×	×	
MARKIN	G		CONFIRI	MED VISUALLY.			1				×	×	
ELEC1	TRIC	CAL CHAP	RACTE	RISTICS								•	
VOLTAG	E PR	OOF					NO FLASHOVER OR BREAKDOWN.				×	×	
INSULAT	TION		100 V DC.				50 MΩ MIN.				×	×	
RESISTA													
CONTAC	CONTACT RESISTANCE			AC 20 mV MAX (AC:1 KHz) , 1 mA .				Ω MAX.			×	×	
							INCLUDING FPC BULK RESISTANCE						
MECHANICAL CHA			DACTEDISTICS				(L=12)				Ш_		
VIBRATI		CAL CHA			E AMDI	ITLIDE	① NO	ELECTE	DIC A I	DISCONTINUITY OF	Τ.,		
VIDIXATI	OIN		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm, FOR 10 CYCLES IN 3 AXIAL DIRECTIONS				① NO ELECTRICAL DISCONTINUITY OF 1 μs.				×	_	
SHOCK			981 m/s ² , DURATION OF PULSE 6 ms				2 CONTACT RESISTANCE: 100 m Ω MAX.				(. ×	_	
			AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.				③ NO DAMAGE, CRACK AND LOOSENESS			3			
MECHAN	VII C A I		10 TIMES INSERTIONS AND EXTRACTIONS.			OF PARTS.			 				
OPERAT	_	=	I TO THIVIE	S INSERTIONS AND EXTRA	ACTION	3.	_	1) CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX. 2) NO DAMAGE, CRACK AND LOOSENESS				_	
								PARTS.	_, 0.	0.0001.120			
FPC RET	TENT	ION FORCE	MEASURED BY APPLICABLE FPC.				-	-	ISERTION:	×	_		
			(THICKNESS OF FPC SHALL BE t=0.20mm AT INITIAL CONDITION.)						BER	OF CONTACTS MIN.			
	<u> </u>		l				(note	e 1)					
				ACTERISTICS	T \A/A TC	D	① CO	NITACT	2501	STANCE: 400 C MAN			
CORROS	SION	SALT MIST	EXPOSED AT 35±2 °C , 5 % SALT WATER SPRAY FOR 96 h.			 CONTACT RESISTANCE: 100 mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 					_		
			0. 10.11	1011			_	PARTS.	_, 01	CHOICHIND EGGGENEGG			
							_			F CORROSION WHICH			
								AFFECTS TO OPERATION OF CONNECTOR.					
RAPID C	CHAN	GE OF	TEMPERATURE-55→+15To+35→+85→+15To+35°C								. ×	_	
TEMPERATURE			TIME $30 \rightarrow 2 \text{ to } 3 \rightarrow 30 \rightarrow 2 \text{ to } 3$				② INSULATION RESISTANCE: 50 M Ω MIN.						
			min			③ NO DAMAGE, CRACK AND LOOSENESS				3			
DAMP HI	EAT		UNDER EXPOSE	5 CYCLES. ED AT 40±2 °C,			OF	PARTS.					
(STEAD)		ATE)		/E HUMIDITY 90 TO 95	%. 9	6 h.					×	_	
DAMP HEAT,CYCLIC			EXPOSED AT -10 TO +65 °C,			① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.				. ×	_		
			RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.			(2) INSULATION RESISTANCE: 1 M Ω MIN. (AT HIGH HUMIDITY) (3) INSULATION RESISTANCE: 50 M Ω MIN. (AT DRY)							
							④ NO DAMAGE, CRACK AND LOOSENESS				3		
		<u> </u>			1			PARTS.			 		
	DUNT	DE	SCRIPTION	ON OF REVISIONS		DESIG	NED			CHECKED	DA	\TE	
<u>^</u>													
REMARK							APPRO	VED	NF.MIYAZAKI	16.0	03. 08		
								CHEC		YH. MICHIDA	16.0	03. 08	
							DESIGNED		NED	KN. KOBAYASHI			
Unless otherwise specified,				d, refer to IEC 60512.			DRAWN		VN	RN. IIDA 16		03. 08	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING					G NO.		ELC-158578-9) 9–0(0				
R	ς	SPECI		FICATION SHEET PART			NO. FH36W-**S-0. 3SHV		6W-**S-0. 3SHW (9	(99)			
1.7		HIR	OSE ELECTRIC CO., LTD. CO		CODE	DDE NO.			CL580		1/2		

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	AT					
DRY HEAT	EXPOSED AT 85±2 °C, 96 h.	① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.	×	_					
COLD	EXPOSED AT -55±3°C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	_					
SULPHUR DIOXIDE	EXPOSED AT 40±2 ℃ , RELATIVE HUMIDITY	① CONTACT RESISTANCE: $100 \text{ m}\Omega$ MAX.	×	_					
[JIS C 60068-2-42]	80±5%	② NO DAMAGE, CRACK AND LOOSENESS							
	25±5 ppm FOR 96 h.	OF PARTS.							
HYDROGEN SULPHIDE	EXPOSED AT 40±2 °C , RELATIVE HUMIDITY 80	③ NO EVIDENCE OF CORROSION WHICH	×	_					
[JIS C 60068-2-43]	±5%,	AFFECTS TO OPERATION OF							
	10 TO 15 ppm FOR 96 h.	CONNECTOR.							
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE,	A NEW UNIFORM COATING OF SOLDER	×	_					
	235 ± 5 °C FOR IMMERSION DURATION,	SHALL COVER A MINIMUM OF 95 % OF							
	2±0.5 sec.	THE SURFACE BEING IMMERSED.							
RESISTANCE TO	1) REFLOW SOLDERING :	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.							
	2) SOLDERING IRONS :	(note 2)							
	TMP. $350 \pm 10 ^{\circ}\text{C}$ FOR $5\pm 1 \text{sec}$.								

(note 1)

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

(note 2)

BLISTERS WHICH MAY OCCUR IN HOUSING DO NOT AFFECT PRODUCT PERFORMANCE.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-158578-99-00		
HS	SPECIFICATION SHEET	PART NO.	FH36W-**S-0.3SHW(99)			
1.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	Δ	2/2