APPLICA	BLE STAND	ARD										
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		-55°C TO +105°C		AGE ERATURE RANGE		-1	-10°C TO +50°C(PACKED CONDITION)				
RATING			30V AC/DC	OPERATING OR S HUMIDITY RANGE		FORAGE	RE	RELATIVE HUMIDITY 90%MAX(NOT D			ED)	
			0.2A	APPLICA	BLE CABL	LE	t=	t=0.2±0.03mm, GOLD PLATED				
				IFICA	TIONS	S			,			
Г	ТЕМ		TEST METHOD					REQL	JIREMENTS	QT	A	
CONSTR										<u> </u>		
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			A	ACCORDING TO DRAWING.				×	>	
MARKING		CONFIRMED VISUALLY.				-			×	>		
FLECTRI	CAL CHAR	ACTERI	STICS									
VOLTAGE P		1	FOR 1 min.		N	0 FLA	SHOVE	R OR I	BREAKDOWN.	×	>	
INSULATION RESISTANCE		100V DC.			50	50MΩ MIN.				×	>	
CONTACT RESISTANCE		AC 20mV	mV MAX (1KHz), 1mA.			100mΩ MAX. INCLUDING FPC BULK RESISTANCE (L=12mm)			×	>		
MECHAN	ICAL CHAF		ISTICS									
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			IS. 2	1 NO ELECTRICAL DISCONTINUITY OF 1 μ s. 2 CONTACT RESISTANCE: 100m Ω MAX.			×	_		
SHOCK		981 m/s ² , DURATION OF PULSE 6ms AT 3 TIMES			S (3	③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	-		
MECHANICAL OPERATION		IN 3BOTH AXIAL DIRECTIONS. 10 TIMES INSERTIONS AND EXTRACTIONS.			-	 CONTACT RESISTANCE: 100mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS 			×	-		
FPC RETENTION FORCE		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.20mm				OF PARTS. DIRECTION OF INSERTION: 0.2N × NUMBER OF CONTACTS MIN.			×	-		
			TERISTICS			(note1)						
	I SALT MIST		D AT 35±2°C, 5% SALT WATE	R SPRAY	1	CON	TACT F	RESIST	ANCE: 100mΩ MAX.		Γ	
		FOR 96h.				 ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS. ③ NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. 				×	_	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 \rightarrow +15 TO +35 \rightarrow +85 \rightarrow +15TO+35 °CTIME30 \rightarrow 2 \sim 3 \rightarrow 30 \rightarrow 2 \sim 3 minUNDER 5 CYCLES.			2	 CONTACT RESISTANCE: 100m Ω MAX. INSULATION RESISTANCE: 50M Ω MIN. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 				×	-	
DAMP HEAT		EXPOSED AT 40±2°C,								×	 _	
STEADY ST		RELATIVE HUMIDITY 90 TO 95%, 96h. EXPOSED AT -10 TO +65 °C			(1	(1) CONTACT RESISTANCE: $100m\Omega$ MAX.				^	_	
			E HUMIDITY 90 TO 96 % ES, TOTAL 240h.		3	(AT) INSU (AT) NO	HIGH HU ILATION DRY)	UMIDI ⁻ N RESI	STANCE: 1MΩ MIN. (Y) STANCE: 50MΩ MIN. ACK AND LOOSENESS	×	_	
COUN	т	DESCRIPTI	ON OF REVISIONS		DESIGN	IGNED		CHECKED		DA	TE	
1		DIS-	F-00000511		YH.MICH	IDA			YN.TAKASHITA	15.0	07.29	
REMARK						API		PPROVED NM.NISHIMATSU		11.0	11.06.13	
								CHECKED FN.TAMURA		11.0	6.10	
Inless of	herwise sne	cified, refer to IEC 60512				DESIGNED			HH.MURAKAMI	11.06.10		
Unless otherwise specified, refer to IEC 60512.				DRAWN HH.MURAKAMI			1	6.10				
		AT:Assurance Test X:Applicable Test SPECIFICATION SHEET PA				DRAWING NO. ELC4-33890 T NO. FH35C-**S-0.3SHW						
HRS		HIROSE ELECTRIC CO., LTD.				DE NO. CL580			•	1/		
		-2-1				E NU.			UL080 /		1/	

FORM HD0011-2-1

	SPECIFICATIC	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
DRY HEAT	EXPOSED AT 85±2°C, 96h.	 CONTACT RESISTANCE: 100m Ω MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 	×	_
COLD	EXPOSED AT -55±3°C, 96h.		×	_
SULPHUR DIOXIDE [JIS C 0090]	EXPOSED AT 40±2°C, RELATIVE HUMIDITY 80±5 %, 25±5 ppm FOR 96h.	 CONTACT RESISTANCE: 100mΩ MAX. NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 	×	-
HYDROGEN SULPHIDE [JIS C 0092]	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:	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	_
	TMP. 350±10°C FOR 5±1 sec.			

(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.	ELC4-338903-01		
עסכ	SPECIFICATION SHEET	PART NO.	FH35C-**S-0.3SHW(50)			
ЛО	HIROSE ELECTRIC CO., LTD.	CODE NO.		CL580	\triangle	2/2