CONSTRUCTION GENERAL EXAMINATION GENERAL EXAMINATION CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT. GENERAL EXAMINATION CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING. X	APPLICA	BLE STAND	ARD									
PATING VOLTAGE 40V AC/DG ILLUMIDITY PANGE RELATIVE HUMIDITY 90MMAXINOT DEWED) VERTICAL CARES V		TEMPERATURE RANGE		1 _55°C TO ±05°C				-10°C TO +50°C(PACKED CONDITION)				
CONTRUCTION TEST METHOD REQUIREMENTS OT A^{\text{CONSTRUCTIONS} CONTRUCTION TEST METHOD REQUIREMENTS OT A^{\text{CONSTRUCTION No FLASHOVER OR BREAKDOWN.} X X X X X X X X X	RATING			40V AC/DC	OPERATING OR		ORAGE	RELATIVE HUMIDITY 90%MAX(NOT D))	
TITEM		CURRENT		0.25A(note1) APPLICABLE CABL		LE CABLE	t=0.2±0.0		03mm, GOLD PLATING			
CONSTRUCTION GENERAL EXAMINATION GENERAL EXAMINATION CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT. GENERAL EXAMINATION CONFIRMED VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING. X				SPE	CIFICA	ATIONS	S					
GENERAL EXAMINATION VISUALLY AND BY MEASURING INSTRUMENT. ACCORDING TO DRAWING. X X X MARRING CONFIRMED VISUALLY. ELECTRICAL CHARACTERISTICS VOLTAGE PROOF 120 VA OF OR 1 min. NO FLASHOVER OR BREAKDOWN. X X X X X X X X X X X X X X X X X X X	Γ	TEM		TEST METHOD				REQ	UIREMENTS	QT	АТ	
MARKING ONFIRMED VISUALLY. ELECTRICAL CHARACTERISTICS VOLTAGE PROOF 120V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN. X X X X CONTAGE PROOF 120V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN. X X X X X X X X X X X X X X X X X X X	CONSTR	UCTION										
ELECTRICAL CHARACTERISTICS	GENERAL EX	XAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.			Г. А	ACCORDING TO DRAWING.				×	
VOLTAGE PROOF 120 V AC FOR 1 min. NO FLASHOVER OR BREAKDOWN. X X X NISULATION RESISTANCE 100 V DC. 500Ms1 Min. X X X X X X X X X	MARKING		CONFIRMED VISUALLY.							×	×	
INSULATION RESISTANCE 100 V DC. 500MΩ MIN. X	ELECTRI	CAL CHAR	ACTERI	STICS								
CONTACT RESISTANCE AC 20mV MAX (IKHz), ImA. 100m Ω MAX. NCLUDING FPC BULK RESISTANCE (L=8mm) X X X X X X X X X	VOLTAGE P	ROOF	120V AC	FOR 1 min.		N	O FLAS	SHOVER OR	BREAKDOWN.	×	×	
MECHANICAL CHARACTERISTICS VIBRATION FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm FOR 10 CYCLES IN 3 AXIAL DIRECTIONS. 2 CONTACT RESISTANCE: 100m Q MAX. X X X X X X X X X	INSULATION	I RESISTANCE	100V DC.			50	500MΩ MIN.			×	×	
VIBRATION	CONTACT R	RESISTANCE	AC 20mV MAX (1KHz), 1mA.			1			_K RESISTANCE (L=8mm)	×	×	
VIBRATION	MECHAN	ICAL CHAF	ACTER	ISTICS								
SHOCK		10/12 01//1			/PLITUDE	1) NO E	LECTRICAL	DISCONTINUITY OF 1 μ s	П.,	I	
MECHANICAL OPERATION 20 TIMES INSERTIONS AND EXTRACTIONS. 20 TIMES INSERTIONS AND EXTRACTIONS. 20 TO DAMAGE. ORACK AND LOOSENESS OF PRESENTANCE. 100m.Q MAX. 20 NO DAMAGE. ORACK AND LOOSENESS OF PRESENTANCE. 100m.Q MAX. 21 VERTICAL DIRECTION OF INSERTION. 0.15 N × n MIN. 22 VERTICAL DIRECTION OF INSERTION. 0.15 N × n MIN. 23 VERTICAL DIRECTION OF INSERTION. 0.15 N × n MIN. 24 VERTICAL DIRECTION OF INSERTION. 0.16 N × n MIN. 25 VERTICAL DIRECTION OF INSERTION. 0.16 N × n MIN. 26 VERTICAL DIRECTION OF INSERTION. 0.16 N × n MIN. 27 VERTICAL DIRECTION OF INSERTION. 28 VERTICAL DIRECTION OF INSERTION. 29 VERTICAL DIRECTION OF INSERTION. 20 VERTICAL DIRECTION OF INSERTION. 21 ON OLARACE. CRACK AND LOOSENESS OF PARTS. 30 NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. 21 INSULATION RESISTANCE: 100m.Q MAX. 22 INSULATION RESISTANCE: 100m.Q MAX. 23 INSULATION RESISTANCE: 100m.Q MAX. 24 VERTICAL DIRECTION OF INSERTION. 26 VERTICAL DIRECTION OF INSERTION. 27 VERTICAL DIRECTION OF INSERTION. 28 VERTICAL DIRECTION OF INSERTION. 29 VERTICAL DIRECTION OF INSERTION. 20 VERTICAL DIRECTION OF INSERTION. 21 VERTICAL DIRECTION OF INSERTION. 21 VERTICAL DIRECTION OF INSERTION. 22 VERTICAL DIRECTION OF INSERTION. 21 VERTICAL DIRECTION OF INSERTION. 22 VERTICAL DIRECTION OF INSERTION. 23 VERTICAL DIRECTION OF INSERTION. 24 VERTICAL DIRECTION OF INSERTION. 25 VERTICAL DIRECTION OF INSERTION. 26 VERTICAL DIRECTION OF INSERTION. 27 VERTICAL DIRECTION OF INSERTION. 28 VERTICAL DIRECTION OF INSERTION. 29 VERTICAL DIRECTION OF INSERTION. 20 VERTICAL D)	② CONTACT RESISTANCE: 100mΩ MAX.			×	_	
MECHANICAL OPERATION 20 TIMES INSERTIONS AND EXTRACTIONS. 21 CONTACT RESISTANCE: 100mΩ MAX. 22 NO DAMAGE, CRACK AND LOOSENESS OF PARTS. FPC RETENTION FORCE (THICKINESS OF FPC SHALL BE t=0.20mm AT INITIAL CONDITION) AT INITIAL CONDITION) ENVIRONMENTAL CHARACTERISTICS CORROSION SALT MIST EXPOSED AT 35±2°C, 5% SALT WATER SPRAY FOR 96h. ENVIRONMENTAL CHARACTERISTICS CORROSION SALT MIST EXPOSED AT 35±2°C, 5% SALT WATER SPRAY FOR 96h. ENVIRONMENTAL CHARACTERISTICS CORROSION SALT MIST EXPOSED AT 35±2°C, 5% SALT WATER SPRAY FOR 96h. ENVIRONMENTAL CHARACTERISTICS CONTACT RESISTANCE: 100mΩ MAX. 2 NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 3 NO EVIDENCE OF CORROSION WHICH AFFECTS TO OPERATION OF CONNECTOR. TIME 30 - 2 TO 3 - 30 - 2 TO 3 min UNDER 5 CYCLES. DAMP HEAT EXPOSED AT 40±2°C, (STEADY STATE) EXPOSED AT 40±2°C, (STEADY STATE) COUNT DESCRIPTION OF REVISIONS DESIGNED COUNT DESCRIPTION OF REVISIONS DESIGNED COUNT DESCRIPTION OF REVISIONS DESIGNED CHECKED DATE APPROVED NF.MIYAZAKI 16.03.30 CHECKED THIMICHIDA 16.03.30 DESIGNED Unless otherwise specified, refer to IEC 60512. Note OT:Qualification Test AT-Assurance Test X-Applicable Test DRAWING NO. ELC-355229-99-00 FRS	SHOCK					MES 3				×	-	
Direction of insertion: 0.15 N × n Min. (Indicated By Applicable FPC. (THICKNESS OF FPC SHALL BE 1=0.20mm AT INITIAL CONDITION.) 2 VERTICAL DIRECTION of INSERTION. 0.15 N × n Min. (Indicated Processing Pr	MECHANICA	L OPERATION					① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS			×	-	
CORROSION SALT MIST	FPC RETENTION FORCE		(THICKNESS OF FPC SHALL BE t=0.20mm				DIRECTION OF INSERTION: 0.15 N × n MIN. VERTICAL DIRECTION OF INSERTION:			×	-	
FOR 96h.	ENVIRON	IMENTAL C	HARAC	TERISTICS		•						
RAPID CHANGE OF TIME 30 + 2 TO 3 + 35 + 45 + 15 TO + 35 *C TIME 30 + 2 TO 3 - 30 - 2 TO 3 min UNDER 5 CYCLES.	CORROSION SALT MIST		•			2	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.③ NO EVIDENCE OF CORROSION WHICH				-	
COUNT DESCRIPTION OF REVISIONS DESIGNED CHECKED DATE						=	① CONTACT RESISTANCE: $100 \text{m}\Omega$ MAX. ② INSULATION RESISTANCE: $50 \text{m}\Omega$ MIN.				 	
COUNT DESCRIPTION OF REVISIONS DESIGNED CHECKED DATE	DAMBUEAT					3						
APPROVED NF.MIYAZAKI 16.03.30			· ·				OF P	ARTS.		×	-	
APPROVED NF.MIYAZAKI 16.03.30												
APPROVED NF.MIYAZAKI 16.03.30	COUNT DESC		DESCRIPTI	ESCRIPTION OF REVISIONS DES		DESIGNE	IGNED		CHECKED	DA	ATE	
CHECKED YH.MICHIDA 16.03.30 DESIGNED KN.KOBAYASHI 16.03.30 DRAWN RN.IIDA 16.03.24 Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC-355229-99-00 SPECIFICATION SHEET PART NO. FH29DJ-*S-0.2SHW(99)	<u>\</u>											
Unless otherwise specified, refer to IEC 60512. Note QT:Qualification Test AT:Assurance Test X:Applicable Test PART NO. FH29DJ-*S-0.2SHW(99)	REMARK							APPROVED	NF.MIYAZAKI	16.0)3.30	
Unless otherwise specified, refer to IEC 60512. Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC-355229-99-00 PART NO. FH29DJ-*S-0.2SHW(99)							-			16.0)3.30	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test DRAWING NO. ELC-355229-99-00 SPECIFICATION SHEET PART NO. FH29DJ-*S-0.2SHW(99)			:Edft- IEO 00510			-						
SPECIFICATION SHEET PART NO. FH29DJ-*S-0.2SHW(99)	Unless oth	nerwise speci	tied, refer to IEC 60512.			I	DRAWN		RN.IIDA	I		
		ualification Test	AT:Assu	rance Test X:Applicable Tes	st	DRA	DRAWING NO. ELC-3552			9-99-00		
HIROSE ELECTRIC CO., LTD. CODE NO. CL580 🛕 1/2	HS					PART N	PART NO.		FH29DJ-*S-0.2SHW(I	
		HI	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL580		<u></u>	1/2	

	SPECIFICATIO	NS		
ITEM	TEST METHOD	REQUIREMENTS	QT	АТ
DAMP HEAT, CYCLIC	EXPOSED AT -10 TO +65 °C RELATIVE HUMIDITY 90 TO 96 % 10 CYCLES, TOTAL 240h.	 CONTACT RESISTANCE: 100m Ω MAX. INSULATION RESISTANCE: 1M Ω MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50M Ω MIN. (AT DRY) NO DAMAGE, CRACK AND LOOSENESS OF PARTS. 	×	
DRY HEAT	EXPOSED AT 85±2°C, 96h.	① CONTACT RESISTANCE: 100mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS		_
COLD	EXPOSED AT -55±3°C, 96h.	OF PARTS.	×	_
SULPHUR DIOXIDE [JIS C 60068-2-42]	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 60068-2-43]	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, 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°CMAX. REFLOW TMP. OVER 230°C WITHIN 60 sec. 2) SOLDERING IRONS: TMP. 350±10°C FOR 5±1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. (note 3)	×	_

(note 1)

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

(note 2)

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

(note 3)

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

Note QT:Qu	alification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-355229-99-00		
HRS	SPECIFICATION SHEET	PART NO. FH29DJ-*S-0.2SHW(9			<i>I</i> (99)	
11.0	HIROSE ELECTRIC CO., LTD.	CODE NO		CL580	\triangle	2/2