APPLICA	BLE STAN	DARD									
	OPERATING TEMPERATURE RANGE VOLTAGE CURRENT		-40 °C TO 105 °C		STORAGE TEMPERATURE RANGE			-10 °C TO 50 °C (PACKED CONDITION)			
RATING			50 V AC / D	С		ATING C	OR STORAG E	E R	ELATIVE HUMIDITY 90 % MAX ((NOT DEWED)	
			0.5 A (note 1	')	APPLI	ICABLE	CABLE		t =0.3 \pm 0.05mm, GOLD F	LATI	NG
			SPEC	IFICA	10IT	NS		•			
ITEM		TEST METHOD			REQUIREMENTS			QT	АТ		
CONSTR	UCTION	•				•				1	
GENERAL E	XAMINATION	VISUALL'	Y AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×	
MARKING CONFIRI			MED VISUALLY.			1			×	×	
	ICAL CHAP										
CONTACT RESISTANCE		AC 20 mV MAX (1 KHz), 1 mA.			50 m Ω MAX. INCLUDING FPC,FFC BULK RESISTANCE (L=8 mm)			×	×		
INSULATION RESISTANCE		100 V DC.			500 MΩ MIN.				×	×	
VOLTAGE P		150 V AC FOR 1 min.			NO FL	ASHOVER	OR	BREAKDOWN.	×	×	
MECHAN	IICAL CHA	RACTE	RISTICS			1				<u> </u>	1
		20 TIMES INSERTIONS AND EXTRACTIONS.			 CONTACT RESISTANCE: 50 mΩ MAX. NO DAMAGE, CRACK OR LOOSENESS OF PARTS. 			×			
		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm FOR 10 CYCLES IN 3 AXIAL DIRECTIONS.			\bigcirc NO ELECTRICAL DISCONTINUITY OF 1 μ s. \bigcirc CONTACT RESISTANCE: 50 $m\Omega$ MAX. \bigcirc NO DAMAGE, CRACK OR LOOSENESS			×	_		
		981 m/s ² , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 BOTH AXIAL DIRECTIONS.			OF PARTS.			×	-		
(C		MEASURED BY APPLICABLE FPC. (CONNECTOR, FPC AT INITIAL CONDITION. THICKNESS OF FPC SHALL BE t=0.3 mm)			DIRECTION OF INSERTION: 0.4×n N MIN (n: NUMBER OF CONTACTS) (note 2)			×	-		
ENVIRO	MENTAL		CTERISTICS	,		1				ı	
RAPID CHANGE OF TEMPERATURE TIM		TIME	TEMPERATURE-40→+15TO+35→+105→+15TO+35°C			 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 50 MΩ MIN. NO DAMAGE, CRACK OR LOOSENESS 			×	_	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.			OF PARTS.			×	-		
DAMP HEAT, CYCLIC E		EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES, TOTAL 240 h.			 CONTACT RESISTANCE: 50 mΩ MAX. INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) NO DAMAGE, CRACK OR LOOSENESS OF PARTS. 			×	_		
DRY HEAT		EXPOSE	SED AT 105±2 °C, 96 h.			① CONTACT RESISTANCE: 50 mΩ MAX.				×	-
COLD		EXPOSE	ED AT -40±3 °C, 96 h.			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	-	
				1			1				
COUN	T DE	SCRIPTIC	ON OF REVISIONS		DESIG	NED			CHECKED	DA	ATE
REMARK							APPROV CHECKE DESIGNE	ED ED	HS. HIRAHARA HS. HIRAHARA NM. YONEYAMA	2021	10406 10406 10330
Unless otherwise specified, refer to JI Note OT:Qualification Test AT:Ass						RAWING NO.		DS. HIROWATARI 202 ELC-153990-10-0		10326 ገ	
			CATION SHEET PART					28-55S-0. 5SH (10)			
		ECTRIC CO., LTD.		CODE		CI O				1/2	
ORM HD0011-					CODE	IVO.	l OLO	001	3 1000 0 10		1/2

SPECIFICATIONS									
ITEM	TEST METHOD	REQUIREMENTS	QT	AT					
CORROSION SALT MIST	EXPOSED AT 35 ± 2 °C, 5 % SALT WATER SPRAY FOR 96 h.	 CONTACT RESISTANCE: 50 mΩ MAX. NO EVIDENCE OF CORROSION WHICH 	×	-					
SULPHUR DIOXIDE [JIS C 60068-2-42]	EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 80±5%, 25±5 ppm FOR 96 h.	AFFECTS TO OPERATION OF CONNECTOR.	×	1					
HYDROGEN SULPHIDE [JIS C 60068-2-43]	EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 80±5%,10 TO 15 ppm FOR 96 h.	CONNECTOR.	×						
RESISTANCE TO SOLDERING HEAT	1) REFLOW SOLDERING (MAX 2 CYCLES) PEAK TMP. 250 °C MAX. REFLOW TMP.OVER 230 °C WITHIN 60 sec. PRE-HEAT 150 TO 200 °C FOR 90 TO 120 sec. 2) SOLDERING IRONS: TMP. 350±10 °C FOR 5±1 sec.	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.	×	ı					
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.	×	-					

(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 2)

THERE'S A CASE WHICH FPC/FFC RETENTION FORCE DOESN'T FULFILL THE VALUE, BECAUSE FPC/FFC SPECIFICATION AFFECTS THE RESULT OF FPC/FFC RETENTION FORCE.

Note QT:Q	ualification Test AT:Assurance Test X:Applicable Test	DRAWIN	IG NO.	ELC-153990-10-00		
HS	SPECIFICATION SHEET	PART NO.	FH28-55S-0. 5SH(10)			
	HIROSE ELECTRIC CO., LTD.	CODE NO	CL058	6-1800-0-10	Δ	2/2