

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	-10 °C TO 50 °C (PACKED CONDITION)			
	VOLTAGE	30 V AC/DC			OPERATING OR STORAGE HUMIDITY RANGE	RELATIVE HUMIDITY 90 % MAX (NOT DEWED)			
	CURRENT	0.2 A			APPLICABLE CABLE	t=0.2±0.03mm, GOLD PLATING			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.						×	×
ELECTRIC CHARACTERISTICS									
VOLTAGE PROOF		90 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			×	×
INSULATION RESISTANCE		100 V DC.			50 MΩ MIN.			×	×
CONTACT RESISTANCE		AC 20 mV MAX ( 1 KHz ) , 1 mA .			100 mΩ MAX. INCLUDING FPC BULK RESISTANCE (L=12mm)			×	×
MECHANICAL CHARACTERISTICS									
VIBRATION		FREQUENCY 10 TO 55 Hz, HALF AMPLITUDE 0.75 mm FOR 10 CYCLES IN 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② CONTACT RESISTANCE: 100 mΩ MAX.			×	—
SHOCK		981 m/s <sup>2</sup> , DURATION OF PULSE 6 ms AT 3 TIMES IN 3 DIRECTIONS.			③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	—
MECHANICAL OPERATION		10 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	—
FPC RETENSION FORCE		MEASURED BY APPLICABLE FPC. (THICKNESS OF FPC SHALL BE t=0.20mm AT INITIAL CONDITION.)			① DIRECTION OF INSERTION : 0.15N × nMIN. (note 1)			×	—
ENVIRONMENTAL CHARACTERISTICS									
CORROSION SALT MIST		EXPOSED AT 35±2°C , 5 % SALT WATER SPRAY FOR 96 h.			① CONTACT RESISTANCE: 100 mΩ MAX. 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→+15TO+35→+85→+15TO+35°C TIME 30→ 2~3 → 30→ 2~3 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE: 50 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			×	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, RELATIVE HUMIDITY 90 TO 95 %, 96 h.						×	—
EMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
					S.OKAMURA 04.08.19	S.OKAMURA 04.08.19	<i>Y. Takahata</i> 04.08.19	<i>Mr. Okada</i> 04.08.20	
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
<b>HRS</b> HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. FH26-**-0.3SHW (10)	
CODE NO.(OLD) CL		DRAWING NO. ELC4-154381-02			CODE NO. CL580			1/2	

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SPECIFICATIONS				
ITEM	TEST METHOD	REQUIREMENTS	QT	AT
DAMP HEAT,CYCLIC	EXPOSED AT -10 TO +65 °C, RELATIVE HUMIDITY 90 TO 96 %, 10 CYCLES,TOTAL 240 h.	① CONTACT RESISTANCE: 100 mΩ MAX. ② INSULATION RESISTANCE: 1 MΩ MIN. (AT HIGH HUMIDITY) ③ INSULATION RESISTANCE: 50 MΩ MIN. (AT DRY) ④ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
DRY HEAT	EXPOSED AT 85±2 °C, 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX.	×	—
COLD	EXPOSED AT -55±2 °C, 96 h.	② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
SURPHUR DIOXIDE [JIS C 0090]	EXPOSED AT 40±2 °C RELATIVE HUMIDITY 80±5% , 25±5 PPM FOR 96 h.	① CONTACT RESISTANCE: 100 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	×	—
HYDROGEN SULPHIDE [JIS C 0092]	EXPOSED AT 40±2 °C RELATIVE HUMIDITY 80±5% , 10 ~ 15 PPM FOR 96 h.	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 °C MAX . REFLOW TMP. 230 °C MIN FOR 60 sec. 2) SOLDERING IRONS : TMP. 350±10 °C FOR 5±1 sec .	NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS. (note 2)	×	—

**(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.

EMARKS	DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
	S.OKAMURA 04.08.19	S.OKAMURA 04.08.19	<i>Y. Takahashi</i> 04.08.19	<i>M. Sakaki</i> 04.08.20	

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test ×:Applicable Test

 <b>HIROSE ELECTRIC CO., LTD.</b>	<b>SPECIFICATION SHEET</b>	PART NO.
		<b>FH26-**-0.3SHW(10)</b>
CODE NO.(OLD)	DRAWING NO.	CODE NO.
<b>CL</b>	<b>ELC4-154381-02</b>	<b>CL580</b>

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