

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE			
△				..	△				..			
△				..	△				..			
APPLICABLE STANDARD												
RATING	OPERATING TEMPERATURE RANGE	-35 °C TO +85 °C (NOTE1)			STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C						
	VOLTAGE	150 V AC			APPLICABLE CONTACT							
	CURRENT	1 A			APPLICABLE CONNECTOR	DF14-XP-1.25H						
					APPLICABLE CABLE							
SPECIFICATIONS												
ITEM	TEST METHOD				REQUIREMENTS				Q	T	A	T
CONSTRUCTION												
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.				ACCORDING TO DRAWING.				○	○		
MARKING	CONFIRMED VISUALLY.								○	○		
ELECTRICAL CHARACTERISTICS												
CONTACT RESISTANCE	mA (DC OR 1000 Hz).				mΩ MAX.				-	-		
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.	20 mV MAX. mA (DC OR 1000 Hz).				mΩ MAX.				-	-		
INSULATION RESISTANCE	100 V DC				500 MΩ MIN.				○	-		
VOLTAGE PROOF	500 V AC FOR 1 min				NO FLASHOVER OR BREAKDOWN.				○	-		
MECHANICAL CHARACTERISTICS												
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE.				INSERTION FORCE		N MAX.		-	-		
					EXTRACTION FORCE		N MIN.		-	-		
INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.				INSERTION FORCE		N MAX.		-	-		
					EXTRACTION FORCE		N MIN.		-	-		
MECHANICAL OPERATION	TIMES INSERTIONS AND EXTRACTIONS				① CONTACT RESISTANCE: mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				-	-		
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 1.5 mm, m/s ² AT 2 h FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-		
SHOCK	490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.				① NO ELECTRICAL DISCONTINUITY OF μs. ② CONTACT RESISTANCE: mΩ MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-		
ENVIRONMENTAL CHARACTERISTICS												
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90~95% 96 h.				① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -65 → -5 → 35 → +125 → -5 → 35 °C TIME 30 → 10 → 15 → 30 → 10 → 15 min UNDER 5 CYCLES.				① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500 MΩ. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.				○	-		
RESISTANCE TO SOLDERING HEAT	SOLDER TEMPERATURE, °C FOR IMMERSION, DURATION, s.				NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.				-	-		
SOLDERABILITY	SOLDERED AT SOLDER TEMPERATURE, °C FOR IMMERSION DURATION, s.				A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMersed.				-	-		
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED			
NOTE1 INCLUDE THE TEMPERATURE RISING BY CURRENT. Unless otherwise specified, refer to MIL-STD-1344.					<i>M. Harachi</i> 95.4.12	<i>M. Harachi</i> 95.4.12	<i>M. Takamura</i> 95.4.12	<i>M. Yamano</i> 95.4.12				
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test												
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET					PART NO. DF14-XP-1.25C		
CODE NO. (OLD) CL			DRAWING NO. ELC4-160306-01			CODE NO. CL 538-			1/			

Apr.1.2017 Copyright 2017 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

TO

