

Oct.1.2018 Copyright 2018 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
 In case that the application demands a high level of reliability, such as automotive,
 please contact a company representative for further information.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
APPLICATION STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO +85 °C							
	VOLTAGE	200V AC							
	CURRENT	1 A							
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENT			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING			X	X
MARKING		CONFIRMED VISUALLY						X	X
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz)			15 mW MAX.			X	
INSULATION RESISTANCE		500 V DC			1000 MW MIN.			X	
VOLTAGE PROOF		650 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN			X	
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		<input type="checkbox"/> 0.635±0.002mm BY STEEL GAUGE			INSERTION FORCE: 3.43 N MAX EXTRACTION FORCE: 0.39 N MIN			X	
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.			1) CONTACT RESISTANCE: 15 mW MAX. 2) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	
VIBRATION		FREQUENCY: 10 TO 55 Hz, TOTAL AMPLITUDE 1.5 mm, FOR 2 h IN 3 DIRECTIONS.			1) NO ELECTRICAL DISCONTINUITY OF 1 ms 2) NO DAMAGE, CRACK AND LOOSENESS			X	
SHOCK		490 m/s ² DURATION OF PULSE 11 ms FOR 2 TIMES IN 3 DIRECTIONS.						X	
ENVIRONMENTAL CHARACTERISTICS									
DAMP HEAT (STEADY STATE)		EXPOSED AT 40±2 °C, 90~95 %, 96 h.			1) CONTACT RESISTANCE: 15 mW MAX. 2) INSULATION RESISTANCE:			X	
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55→+5~+35→+85→+5~+35°C TIME 30→MAX 5 → 30 → MAX 5 min. UNDER 5 CYCLES.			1000 MW MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PART.			X	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			1) CONTACT RESISTANCE: 15 mW MAX. 2) NO HEAVY CORROSION.			X	
REMARKS									
				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
				<i>K. Kiriyama</i> 01.06.12	<i>H. Yamaguchi</i> 01.06.13	<i>H. Okawa</i> 01.06.13	<i>J. Yoshimura</i> 01.06.13		
UNLESS OTHERWISE SPECIFIED, REFER TO MIL-STD-1344									
NOTE QT: QUALIFICATION TEST AT: ASSURANCE TEST X: APPLICABLE TEST									
HRS HIROSE ELECTRIC CO.,LTD.				SPECIFICATION SHEET			PART NO. HIF3 ^{BA} _{BB} - * * D-2.54R		
CODE NO.(OLD)		DRAWING NO.		CODE NO.					
CL		ELC4- 084252		CL 610				1/1	

TO
PCK