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 In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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	AWG30~32			
					APPLICABLE CABLE				
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
MARKING		CONFIRMED VISUALLY.						×	×
ELECTRIC CHARACTERISTICS									
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			×	—
MECHANICAL CHARACTERISTICS									
CONTACT INSERTION AND EXTRACTION FORCES		□0.35±0.002 BY STEEL GAUGE.			INSERTION FORCE 3.0 N MAX. EXTRACTION FORCE 0.3 N MIN.		×	—	
MECHANICAL OPERATION		30 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs.			×	—
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
ENVIRONMENTAL CHARACTERISTICS									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 →5 ~ 35 →+85 →5 ~35 °C TIME 30 →10 ~ 15 →30 →10~15min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.			×	—
CRIMP TENSILE STRENGTH		AWG30 AWC32			5.9N MIN 2.9N MIN			×	—
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT.					M. Kuramashi	H. Umehara	T. Miyajima	K. Katayama	
Unless otherwise specified, refer to MIL-STD-1344.					'02.11.29	'02.11.29	'02.11.29	'02.11.29	
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.					SPECIFICATION SHEET			PART NO. DF13-3032SCF	
CODE NO.(OLD)		DRAWING NO.			PART NO.			1/1	
CL		ELC4-081859			CL536-0299-8			1/1	

