



**THE DATASHEET OF
DF11-18DS-2C**



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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
△	6	RE-H-03802	T.A	C.H	'00.07.12	△			
△						△			

APPLICABLE STANDARD		OPERATING TEMPERATURE RANGE		-30 °C TO 85 °C(NOTE 1)		STORAGE TEMPERATURE RANGE		-10°C TO 60 °C △	
RATING	VOLTAGE	250V AC	△	30V AC	△	APPLICABLE CONTACT	△	DF11-22SC *	DF11-2428SC *
	CURRENT	2 A	UL-CSA	2 A	△	APPLICABLE CABLE	△	UL1061,1007	AWG22~28

SPECIFICATIONS						
ITEM	TEST METHOD	REQUIREMENTS	QT	AT		
CONSTRUCTION						
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	×	×		
MARKING	CONFIRMED VISUALLY.		×	×		
ELECTRIC CHARACTERISTICS						
INSULATION RESISTANCE	500V DC.	1000 MΩ MIN.	×	—		
VOLTAGE PROOF	650 V AC FOR 1 min.	NO FLASH OVER OR BREAKDOWN.	×	—		
MECHANICAL CHARACTERISTICS						
MECHANICAL OPERATION	30 TIMES INSERTIONS AND EXTRACTIONS.	① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—		
VIBRATION	FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75mm AT 2 h, FOR 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—		
SHOCK △	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 3 DIRECTION.		×	—		
ENVIRONMENTAL CHARACTERISTICS						
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55→ 5 TO 35→85→ 5 TO 35 °C TIME 30→ 5 TO 15→30→ 5 TO 15min UNDER 5 CYCLES.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 1000M Ω MIN. ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—		
DAMP HEAT (STEADY STATE)	EXPOSED AT 40±2 °C, 90 TO 95 %, 96 h.	① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE: 500M Ω MIN. △ ③ NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	×	—		
REMARKS						
NOTE1: INCLUDE THE TEMPERATURE RISING BY CURRENT		DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED
		T.OMA	T.OMA	K.SATO	M.YAMAMOTO	
Unless otherwise specified, refer to MIL-STD-1344.		'90.5.10	'90.5.10	'90.5.10	'90.5.10	
Note QT: Qualification Test AT: Assurance Test ×:Applicable Test						
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET			PART NO.	
					DF11-*DS-2C	
CODE NO.(OLD)	DRAWING NO.	PEART NO		1		
CL	ELC4-162389-01	CL543-		1		



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