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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
△					△				
△					△				
<b>APPLICABLE STANDARD</b>									
<b>RATING</b>	<b>VOLTAGE</b>	250 V AC			<b>OPERATING TEMPERATURE RANGE</b>	-30 °C TO +85 °C(NOTE1)			
	<b>CURRENT</b>	3A			<b>STORAGE TEMPERATURE RANGE</b>	-10 °C TO +60 °C(NOTE2)			
	<b>APPLICABLE CABLE</b>	UL1061,UL1007:AWG24~28			<b>APPLICABLE CONNECTOR</b>	DF3A-*P-2DSA(**)			
<b>SPECIFICATIONS</b>									
<b>ITEM</b>		<b>TEST METHOD</b>			<b>REQUIREMENTS</b>			<b>QT</b>	<b>AT</b>
<b>CONSTRUCTION</b>									
<b>GENERAL EXAMINATION</b>		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			×	×
<b>MARKING</b>		CONFIRMED VISUALLY.						×	×
<b>ELECTRIC CHARACTERISTICS</b>									
<b>CONTACT RESISTANCE</b>		100 mA (DC OR 1000 Hz).			30 mΩ MAX.			×	—
<b>INSULATION RESISTANCE</b>		500V DC			1000 MΩ MIN			×	—
<b>VOLTAGE PROOF</b>		650V AC FOR 1 min			NO RLASHOVER OR BREAKDOWN			×	—
<b>MECHANICAL CHARACTERISTICS</b>									
<b>MECHANICAL OPERATION</b>		30TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 30 mΩ MAX. ② NO DAMAGE, CRACK AND LOSENESS OF PARTS.			×	—
<b>VIBRATION</b>		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, AT 2 h, FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOSENESS OF PARTS.			×	—
<b>SHOCK</b>		490 m/s <sup>2</sup> DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 1 μs. ② NO DAMAGE, CRACK AND LOSENESS OF PARTS.			×	—
<b>ENVIRONMENTAL CHARACTERISTICS</b>									
<b>DAMP HEAT (STEADY STATE)</b>		EXPOSED AT 40±2 °C, 90 ~ 95 %, 96 h.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000MΩ MIN. NO DAMAGE, CRACK AND LOSENESS OF PARTS.			×	—
<b>RAPID CHANGE OF TEMPERATURE</b>		TEMPERATURE -55 →5 TO 35 →+85 →5 TO 35 °C TIME 30 →10 TO 15 →30 →10 TO15min UNDER 5 CYCLES.			① CONTACT RESISTANCE: 30 mΩ MAX. ② INSULATION RESISTANCE:1000MΩ. ③ NO DAMAGE, CRACK AND LOSENESS OF PARTS.			×	—
<b>RESISTANCE TO SOLDERING HEAT</b>		SOLDER TEMPERATURE, 260±5°C FOR IMMERSION,DURATION,5S.			NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.			×	—
<b>SOLDERABILITY</b>		SOLDERED AT SOLDER TEMPERATURE, 230±5°C FOR IMMERSION DURATION, 3S.			A NEW UNIFORM COATING OF SOLDER SHALL COVER A MINIMUM OF 95% OF THE SURFACE BEING IMMERSED .			×	—
<b>REMARKS</b> NOTE1:INCLUDING THE TEMPERATURE RISE BY CURRENT. NOTE2:APPLY TO THE CONDITION OF LONG TERM STORAGE FOR UNUSED PRODUCTS BEFORE PCB ON BOARD, AFTER PCB BOARD,OPERATING TEMPERATURE AND HUMIDITY RANGE IS APPLIED FOR INTERIM STORAGE DURING TRANSPORTATION.					<b>DRAWN</b>	<b>DESIGNED</b>	<b>CHECKED</b>	<b>APPROVED</b>	<b>RELEASED</b>
					M.Nakamoto	<i>H. Umehara</i>	<i>T. Miyazaki</i>	<i>T. Oma</i>	
					04.03.22	04.03.22	04.03.22	04.03.22	
Unless otherwise specified, refer to JIS C 5402.									
Note QT:Qualification Test AT:Assurance Test ×:Applicable Test									
<b>HRS HIROSE ELECTRIC CO., LTD.</b>					<b>SPECIFICATION SHEET</b>			<b>PART NO.</b> DF3-*S-2DSA (25)	
CODE NO.(OLD) CL			DRAWING NO. ELC4-162329-10			PART NO. CL543-			1/1



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