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

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	-30°C TO +85°C(95%RH MAX)	STORAGE TEMPERATURE RANGE	-30°C TO +50°C(95%RH MAX)	
	POWER	---- W	CHARACTERISTIC IMPEDANCE	50Ω (0 TO 2 GHz)	
	PECULIARITY	----	APPLICABLE CABLE	1.5D-Q·SUPER 1.5D-HQ·SUPER	
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.	X	X
MARKING	CONFIRMED VISUALLY.			-	-
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE	100 mA MAX (DC OR 1000 Hz).	CENTER CONTACT	3 mΩ MAX.	X	X
		OUTER CONTACT	3 mΩ MAX.	X	X
INSULATION RESISTANCE	500 V DC.	1000 MΩ MIN.		X	X
VOLTAGE PROOF	500 V AC FOR 1 min.CURRENT LEAKAGE 2mA MAX.	NO FLASHOVER OR BREAKDOWN.		X	X
VOLTAGE STANDING WAVE RATIO	FREQUENCY 0.045 TO 2 GHz.	VSWR	1.3 MAX.	X	-
INSERTION LOSS	FREQUENCY TO GHz	dB MAX.		-	-
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	1000 TIMES INSERTIONS AND EXTRACTIONS.	1) CONTACT RESISTANCE: CENTER CONTACT 10 mΩMAX.CHANGE OUTER CONTACT 10 mΩMAX.CHANGE 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
VIBRATION	FREQUENCY 10 TO 500 Hz SINGLE AMPLITUDE 0.75 mm, 98 m/s ² AT 10 CYCLES FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 1 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
SHOCK	490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTIONS.			X	-
CABLE CLAMP ROBUSTNESS (AGAINST CABLE PULL)	APPLYING A PULL FORCE THE CABLE AXIALLY AT 49 N MAX.	1) NO WITHDRAWAL AND BREAKAGE OF CABLE. 2) NO BREAKAGE OF CLAMP.		X	-
ENVIRONMENTAL CHARACTERISTICS					
DAMP HEAT,CYCLIC	EXPOSED AT +25 TO +65 °C, 80 ~ 96 % TOTAL 10 CYCLES (240 h)	1) INSULATION RESISTANCE: 100 MΩ MIN. (AT HIGH HUMIDITY) 2) INSULATION RESISTANCE: 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -30 → - → +85 → - °C TIME 30 → 3 → 30 → 3 min. UNDER 5 CYCLES.	NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X	-
CORROSION SALT MIST	EXPOSED IN 5% SALT WATER SPRAY FOR 48 h	NO HEAVY CORROSION		X	-
COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE	
0					
REMARK			APPROVED	TS. NOBE	12. 10. 09
RoHS COMPLIANT			CHECKED	NK. NINOMIYA	12. 10. 09
NOTE.THE OPERATING TEMPERATURE RANGE OF THIS SPECIFICATION DEPENDS ON THAT OF THE CABLE.			DESIGNED	YI. FUNADA	12. 10. 04
Unless otherwise specified, refer to JIS C 5402.			DRAWN	YI. FUNADA	12. 10. 04
Note QT:Qualification Test AT:Assurance Test X:Applicable Test		DRAWING NO.	ELC4-132693-40		
HRS	SPECIFICATION SHEET		PART NO.	N-P-1. 5DQS (40)	
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