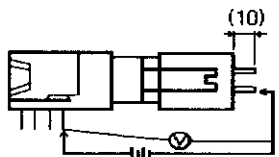


Aug.1.2023 Copyright 2023 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	
△					△					
△					△					
APPLICABLE STANDARD										
RATING	OPERATING TEMPERATURE RANGE	-55 °C TO 85 °C			STORAGE TEMPERATURE RANGE	— °C TO — °C				
	VOLTAGE	AC 250 V			OPERATING HUMIDITY RANGE	— % TO — %				
	CURRENT	0.5 A			APPLICABLE CABLE	UL20276 AWG NO.28 (φ 0.58)				
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).			35 mΩ MAX. 1			○	○	
INSULATION RESISTANCE		500V DC.			500 MΩ MIN.			○	○	
VOLTAGE PROOF		500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○	
MECHANICAL CHARACTERISTICS										
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.			INSERTION FORCE		73.5 N MAX.		○	—
					EXTRACTION FORCE		19.6 N MIN.		○	—
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS.			① CONTACT RESISTANCE: 1 35mΩ MAX.			○	—	
					② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—	
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.75 mm, - m/s ² AT 2 h, FOR 3 DIRECTIONS.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—	
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIME FOR 6 DIRECTION.						○	—	
ENVIRONMENTAL CHARACTERISTICS										
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 → 5~35 → 85 → 5~35 °C TIME 30 → 2~3 → 30 → 2~3 min UNDER 5 CYCLES.			NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—	
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90~95 %RH, 96 h.			① INSULATION RESISTANCE AT HIGH HUMIDITY 1 MΩ MIN. AT DRY 100 MΩ MIN. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.			○	—	
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			NO HEAVY CORROSION.			○	—	
NOTE 1 CONTACT RESISTANCE TEST POSITION.										
										
REMARKS					DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
					<i>T. Taniguchi</i>	<i>A. Maki</i>	<i>Y. Enami</i>	<i>H. Miura</i>		
					02'04'05	02'04'05	02.4.5	02.04.09		
Unless otherwise specified, refer to JIS C 5402.					Note QT:Qualification Test AT:Assurance Test ○:Applicable Test					
HS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO.			
							DX40M-50P			
CODE NO.(OLD)			DRAWING NO.			PART NO.			1	
CL			ELC4-045317			CL230-5036-3			1	

TO
Q1