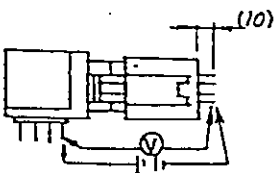


Apr.1.2024 Copyright 2024 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				
APPLICABLE STANDARD									
RATING	OPERATING TEMPERATURE RANGE	-55 ℃ TO 85 ℃			STORAGE TEMPERATURE RANGE	- ℃ TO - ℃			
	VOLTAGE	AC 250 V			OPERATING HUMIDITY RANGE	- % TO - %			
	CURRENT	0.5 A			APPLICABLE CABLE	UL2789 AWG No.28			
SPECIFICATIONS									
ITEM		TEST METHOD			REQUIREMENTS			QT	AT
CONSTRUCTION									
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.			ACCORDING TO DRAWING.			○	○
MARKING		CONFIRMED VISUALLY.						○	○
ELECTRICAL CHARACTERISTICS									
CONTACT RESISTANCE		100 ΩA (DC OR 1000 Hz).			35 Ω MAX. ①			○	○
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD.		20 mV MAX. — ΩA (DC OR 1000 Hz).						-	-
INSULATION RESISTANCE		500 V DC			500 MΩ MIN.			○	○
VOLTAGE PROOF		500 V AC FOR 1 min.			NO FLASHOVER OR BREAKDOWN.			○	○
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 29.4 N MAX. EXTRACTION FORCE 7.8 N MIN.			○	-
MECHANICAL OPERATION		1000 TIMES INSERTIONS AND EXTRACTIONS. ①			① CONTACT RESISTANCE: 35 Ω MAX. ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS			○	-
VIBRATION		FREQUENCY 10 TO 55 Hz, SINGLE AMPLITUDE 0.76 ms, a/s ² AT 2 b FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 10 ps. ② CONTACT RESISTANCE: — Ω MAX. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	-
SHOCK		490 m/s ² DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.						○	-
ENVIRONMENTAL CHARACTERISTICS									
RAPID CHANGE OF TEMPERATURE		TEMPERATURE -55 ~ -5 ~ 35 ~ 85 ~ -5 ~ 35 ℃ TIME 30 ~ 10 ~ 15 ~ 30 ~ 10 ~ 15 min UNDER 5 CYCLES.			① CONTACT RESISTANCE: — Ω MAX. ② INSULATION RESISTANCE: — MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	-
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 ℃, 90 ~ 95 % H. 96 h.			① CONTACT RESISTANCE: — Ω MAX. ② INSULATION RESISTANCE: ② MΩ MIN. ③ NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	-
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.			① CONTACT RESISTANCE: — Ω MAX. ② NO HEAVY CORROSION.			○	-
HYDROGEN SULPHIDE		EXPOSED IN — PPM FOR — h. (TEST STANDARD: JEIDA-38)						-	-
① CONTACT RESISTANCE TEST POSITION ② AT DRY 100 MΩ MIN. AT HIGH HUMIDITY 1 MΩ MIN.									
									
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5402.				H. Tanaka	H. Tanaka	H. Tanaka	S. Tanaka		
				96.4.22	96.4.22	96.4.22	96.4.22		
Note QT: Qualification Test AT: Assurance Test ○: Applicable Test									
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DX 40M-20P		
CODE NO. (OLD) CL		DRAWING NO. ESLC4-43316			CODE NO. CL 230-5033-5			1/1	