

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. FOR 3 DIRECTIONS.			① NO ELECTRICAL DISCONTINUITY OF 10 ps. ② CONTACT RESISTANCE: — Ω MAX.			○	—
SHOCK		490 ms DURATION OF PULSE 11 ms AT 3 TIMES FOR 3 DIRECTION.			① NO DAMAGE, CRACK AND LOOSENESS OF PARTS.			○	—
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 AT HIGH HUMIDITY 100 MΩ MIN. 1 MΩ MIN.									
REMARKS				DRAWN	DESIGNED	CHECKED	APPROVED	RELEASED	
Unless otherwise specified, refer to JIS C 5402. Note QT: Qualification Test AT: Assurance Test ○: Applicable Test				H. Tanaka	H. Tanaka	H. Tanaka	S. Tanaka		
				96.4.22	96.4.22	96.4.22	96.4.22		
HRS HIROSE ELECTRIC CO., LTD.				SPECIFICATION SHEET			PART NO. DX 40M-20P		
CODE NO. (OLD)		DRAWING NO.		CODE NO.					
CL		ESLC4-43316		CL 230-5033-5		1/1			