

APPLICABLE STANDARD					
RATING	OPERATING TEMPERATURE RANGE	1 -55 °C TO 85 °C	STORAGE TEMPERATURE RANGE	2 -55 °C TO 85 °C	
	VOLTAGE	350 V AC, 490 V AC	OPERATING HUMIDITY RANGE	95 % MAX	
	CURRENT	3 A	APPLICABLE CABLE	—	
SPECIFICATIONS					
ITEM		TEST METHOD	REQUIREMENTS	QT	AT
CONSTRUCTION					
GENERAL EXAMINATION		VISUALLY AND BY MEASURING INSTRUMENT.	ACCORDING TO DRAWING.	X	X
MARKING		CONFIRMED VISUALLY.		X	X
ELECTRIC CHARACTERISTICS					
CONTACT RESISTANCE		100 mA (DC OR 1000 Hz).	15 mΩ MAX.	X	X
CONTACT RESISTANCE MILLIVOLT LEVEL METHOD		20 mV MAX 1 mA (DC OR 1000Hz).		X	—
INSULATION RESISTANCE		500 V DC.	5000 MΩ MIN.	X	X
VOLTAGE PROOF		1250 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X
MECHANICAL CHARACTERISTICS					
INSERTION AND WITHDRAWAL FORCES		MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 50 N MAX. EXTRACTION FORCE 33.3 N MAX.	X	—
MECHANICAL OPERATION		500 TIMES INSERTIONS AND EXTRACTIONS.	1)CONTACT RESISTANCE: 15 mΩ MAX. 2)NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
VIBRATION		FREQUENCY 10 TO 55Hz, SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.	1) NO ELECTRICAL DISCONTINUITY OF 10 μs. 2) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
SHOCK		490 m/s ² DIRECTIONS OF PULSE 11 ms AT 3 TIMES FOR 6 DIRECTIONS.		X	—
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.	X	—
DAMP HEAT (STEADY STATE)		EXPOSED AT 40 °C, 90 ~ 95 %RH, 96 h.	1)INSULATION RESISTANCE (AT HIGH HUMIDITY) 10 MΩ MIN. (AT DRY) 1000 MΩ MIN. 2)NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.	X	—
CORROSION SALT MIST		EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	NO HEAVY CORROSION.	X	—
RESISTANCE TO SOLDERING HEAT		SOLDER TEMPERATURE, 260 °C MAX FOR IMMERSION, DURATION 10 S MAX.	NO DEFORMATION OF CASE AND EXCESSIVE LOOSENESS OF THE TERMINALS.	X	—
RESISTANCE TO SOLDERING IRON HEAT		SOLDERRING IRON TEMPERATURE, 350°C MAX SOLDERRING TEMPERATURE 5 S MAX.		X	—
SOLDERABILITY		SOLDERED AT SOLDER TEMPRATURE, 245 ± 2 °C FOR IMMERSION, DURATION 3 ± 1 S.	MIN.95% OF SOLDER IMMERSED AREA SHALL BE COVERED NEW SOLDER COATING.	X	—
1 ① THE PRODUCT PERFORMANCE IS GUARANTEED ONLY IN THE TEMPERATURE ADEQUATE TO PEOPLE'S ACTIVITIES. ② THE OPERATION TEMPERATURE INCLUDES THE RISE BY CURRENT CARRYING. 2 PACKING MATERIAL IS NOT INCLUDED.					
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△					
REMARK			APPROVED	YH.ENAMI	08.06.10
			CHECKED	HK.TANAKA	08.06.10
			DESIGNED	MT.ITANO	08.06.09
			DRAWN	MT.ITANO	08.06.09
Unless otherwise specified, refer to JIS C 5402.					
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.	ELC4-009836-02	
HRS	SPECIFICATION SHEET		PART NO.	SDAB-15P(55)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL211-0249-9-55	△ 1/1