

APPLICABLE STANDARD				
RATING	OPERATING TEMPERATURE RANGE	-40 °C TO 85 °C	STORAGE TEMPERATURE RANGE	—
	VOLTAGE	125 V AC	OPERATING HUMIDITY RANGE	—
	CURRENT	1 A	APPLICABLE CABLE	AWG28(7/0.127) UL20276 INSULATOR: φ 0.58 , CABLE: φ 5.9

SPECIFICATIONS

ITEM	TEST METHOD	REQUIREMENTS	QT	AT
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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).	40 mΩ MAX.	X	X
INSULATION RESISTANCE	250 V DC.	1000 MΩ MIN.	X	—
VOLTAGE PROOF	350 V AC FOR 1 min.	NO FLASHOVER OR BREAKDOWN.	X	X

MECHANICAL CHARACTERISTICS

INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.	INSERTION FORCE 29.4 N MAX. EXTRACTION FORCE 29.4 N MAX.	X	—
MECHANICAL OPERATION	20000 TIMES INSERTIONS AND EXTRACTIONS.	1)CONTACT RESISTANCE: 60 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)CONTACT RESISTANCE: 60 mΩ MAX. 3) 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

DRY HEAT	EXPOSED AT 85 °C , 500h	1)CONTACT RESISTANCE: 60 mΩ MAX. 2)INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → 15~35 → 85 → 15~35 °C TIME 30 → 10~15 → 30 → 10~15 min. UNDER 5 CYCLES.	1)CONTACT RESISTANCE: 60 mΩ MAX. 2)INSULATION RESISTANCE: 1000 MΩ MIN. 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 ~ 95 %, 96 h.	1)CONTACT RESISTANCE: 60 mΩ MAX. 2)INSULATION RESISTANCE 1000 MΩ MIN. (AT DRY) 3) NO DAMAGE, CRACK AND LOOSENESS OF PARTS.	X	—
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.	1)CONTACT RESISTANCE: 60 mΩ MAX. 2)NO HEAVY CORROSION.	X	—
MIXED GAS CORROSION	EXPOSED IN SO ₂ 10ppm, H ₂ S 3ppm, 70~80 %, 96h.	1)CONTACT RESISTANCE: 60 mΩ MAX. 2)NO HEAVY CORROSION.	X	—

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				

REMARK	APPROVED	YH.ENAMI	08.09.29
	CHECKED	KI.NAGANUMA	08.09.29
	DESIGNED	MT.ITANO	08.09.29
	DRAWN	MT.ITANO	08.09.29

Unless otherwise specified, refer to JIS C 5402.

Note QT:Qualification Test AT:Assurance Test X:Applicable Test	DRAWING NO.	ELC4-120517-03
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HRS	SPECIFICATION SHEET	PART NO.	3540-16P-CV(51)	
	HIROSE ELECTRIC CO., LTD.	CODE NO.	CL235-0004-1-51	△ 1/1