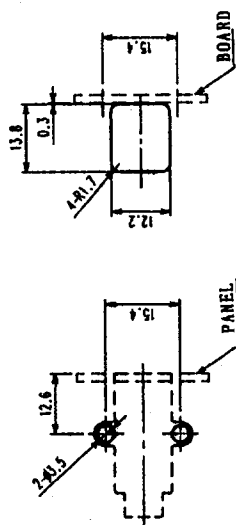


FOR REFERENCE ONLY
Subject to change without notice

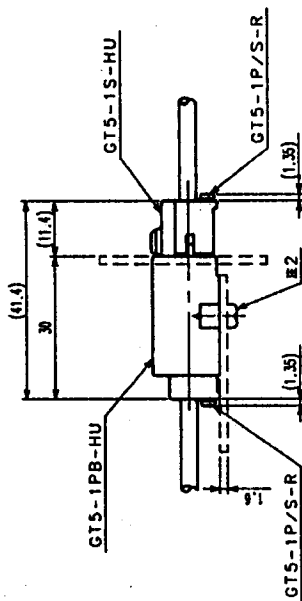
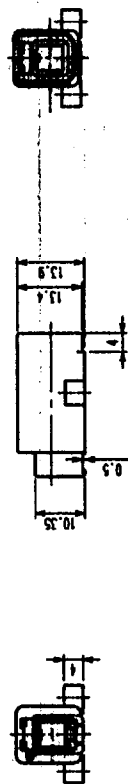
COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE	COUNT	DESCRIPTION OF REVISIONS	BY	CHKD	DATE
△					△				
△					△				

APPLICABLE STANDARD		Note 1: -30 °C TO 105 °C		STORAGE TEMPERATURE RANGE		-40 °C TO 105 °C	
RATING	OPERATING TEMPERATURE RANGE	1 A		Voltage	250 V AC		
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	1 A DC.	30 mΩ MAX.	○	-			
CONTACT RESISTANCE	20 mV AC MAX, 0.1 mA(DC OR 1000 Hz).	30 mΩ MAX.	○	-			
MILLIVOLT LEVEL METHOD							
INSULATION RESISTANCE	500 V DC.	100 MΩ MIN.	○	-			
VOLTAGE PROOF	650 V AC, 1 min.	NO FLASHOVER OR BREAKDOWN.	○	-			
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND EXTRACTION FORCES	BY STEEL GAUGE, 4.6.	INSERTION FORCE 14.7 N MAX. EXTRACTION FORCE 4.9 N MIN.	○	-			
MECHANICAL OPERATION	30 TIMES INSERTION AND EXTRACTIONS.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-			
VIBRATION	FREQUENCY 20 TO 200 Hz, ACCELERATION 43.1 m/s ² FOR 3 h AT 3 DIRECTIONS.	① NO ELECTRICAL DISCONTINUITY OF 10 μs OR MORE.	○	-			
SHOCK	FREQUENCY 20 TO 50 Hz, 66.6 m/s ² FOR 1 h.	② CONTACT RESISTANCE: 60 mΩ MAX. ③ NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-			
LOCK STRENGTH	PULL FORCE OF 98 N MAX WAS APPLIED AXIALLY.	① FULL INSERTED DURING APPLYING FORCE. ② NO DEFECT AT CONNECTION PORTION AFTER APPLYING FORCE.	○	-			
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)	EXPOSED AT 60 °C, 90 TO 95 %, 500 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO BREAKAGE, CRACK OR LOOSENESS OF PART.	○	-			
RAPID CHANGE OF TEMPERATURE	TEMP -40°C → AMBIENT TEMP → 85 °C → TIME 30 → 5 → 30 min TEMP AMBIENT TIME 5 min UNDER 1000 CYCLES.	① CONTACT RESISTANCE: 60 mΩ MAX. ② INSULATION RESISTANCE: 100 MΩ MIN. ③ NO BREAKAGE, CRACK OR LOOSENESS OF PART.	○	-			
DRY HEAT	EXPOSED AT 105 °C, 300 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-			
COLD	EXPOSED AT -55 °C, 120 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO DAMAGE, CRACK OR LOOSENESS OF PARTS.	○	-			
SALT MIST	IMMERSED IN 5 % SALT WATER, 96 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO EXCESSIVE CORROSION.	○	-			
HYDROGEN SULPHIDE	EXPOSED IN 500 ppm, 8 h.	① CONTACT RESISTANCE: 60 mΩ MAX. ② NO EXCESSIVE CORROSION.	○	-			
SOLDERING HEAT	SOLDER TEMPERATURE 260 °C FOR 10 sec.	① NO VISUAL DEFORMATION OR LOOSENESS OF CONTACT.	-	-			
REMARKS							
Notes 1: Included temperature rise by current carrying. 2: Applicable board: 1.6 ±0.2.							
AMC 00.1.18 池田 AMC 00.1.18 池田 AMC 00.1.18 池田 AMC 00.1.18 池田 HRS 10.3.01 USA							
Note QT:Qualification Test AT:Assurance Test ○:Applicable Test							
HRS HIROSE ELECTRIC CO., LTD.		SPECIFICATION SHEET		PART NO. GT5-1PB-HU			
CODE NO.(OLD) CL559-0112-9	DRAWING NO. SLC4-165635	PART NO. CL755-0089-0		1/1			

TO	PCK			
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RECOMMENDED PANEL CUTOUT



WATER CONNECTORS

NOTE 1) THIS PRODUCT SHOULD BE USED IN COMBINATION WITH THE RETAINER (GT5-1P/S-R, CL755-0006-2) WHICH IS SOLD SEPARATELY.

2) USE CLASS 1 OR 4 OF JIS1115 OR 1122 MOUNTING SCREWS, DIAMETER 3.

1	PBT	UL94HB, LIGHT GRAY
NO.	MATERIAL	FINISH, REMARKS
備考 REMARKS		
1/7/61	長島	
日製コード・ CODE NO. (OLD)	製番 DRAWING NO. ADC3-165635	製品名 PART NO. GT5-1PB-HU
尺貫 SCALE 1-1-1	単位 UNIT mm	製品コード CODE NO. CL755-0089-0
東京電機株式会社 TOKYO ELECTRIC CO., LTD.		FORM NO. 233