



CHARACTERISSTICS

MATERIALS

HOUSING : BRASS
 HOUSING PLATING : 196µ" NICKEL MIN.
 SHELL & COLLET NUT: BRASS, 196µ" CHROME PLATED MIN.
 CONTACTS : COPPER ALLOY
 CONTACT PLATING : 7µ" GOLD PLATED OVER 196µ" NICKEL MIN.
 INSULATOR : PPS (HIGH TEMPERATURE)
 STRAIN RELIEF(BOOT) : THERMOPLASTIC POLYURETHANE

MECHANICAL

DURABILITY: 5000 CYCLES
 OPERATING TEMP. RANGE: -40° C ~ +200° C
 PROCESS TEMPERATURE : 260°C FOR 5 SECONDS
 MAX. TOURQUE VALUE : 2.5 Nm [22.1 IN/LBS]
 SHIELDING: 75dB @ 10MHz
 40dB @ 1GHz

IP RATING: 50

822B YYY - 2 7 3 L YY 1



CHART A

● = KEY LOCATION

VIEW FROM TERMINATION END

 2 POSITION 14 AWG MAX. 30 AMP MAX. PIN Ø = 2.00 [0.079] CONTACT RESISTANCE = 3 mΩ TEST VOLTAGE = 2100V WORKING VOLTAGE = 700V	 3 POSITION 18 AWG MAX. 17 AMP MAX. PIN Ø = 1.60 [0.063] CONTACT RESISTANCE = 4 mΩ TEST VOLTAGE = 2400V WORKING VOLTAGE = 800V	 4 POSITION 20 AWG MAX. 15 AMP MAX. PIN Ø = 1.30 [0.051] CONTACT RESISTANCE = 5 mΩ TEST VOLTAGE = 1850V WORKING VOLTAGE = 610V	 6 POSITION 20 AWG MAX. 12 AMP MAX. PIN Ø = 1.30 [0.051] CONTACT RESISTANCE = 5 mΩ TEST VOLTAGE = 1350V WORKING VOLTAGE = 450V	 8 POSITION 22 AWG MAX. 10 AMP MAX. PIN Ø = 0.90 [0.035] CONTACT RESISTANCE = 6 mΩ TEST VOLTAGE = 1500V WORKING VOLTAGE = 500V	
 10 POSITION 22 AWG MAX. 8 AMP MAX. PIN Ø = 0.90 [0.035] CONTACT RESISTANCE = 6 mΩ TEST VOLTAGE = 1450V WORKING VOLTAGE = 500V	 12 POSITION 24 AWG MAX. 7 AMP MAX. PIN Ø = 0.70 [0.028] CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 1250V WORKING VOLTAGE = 480V	 14 POSITION 24 AWG MAX. 6.5 AMP MAX. PIN Ø = 0.70 [0.028] CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 1150V WORKING VOLTAGE = 380V	 16 POSITION 24 AWG MAX. 6 AMP MAX. PIN Ø = 0.70 [0.028] CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V	 19 POSITION 24 AWG MAX. 5 AMP MAX. PIN Ø = 0.70 [0.028] CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 850V WORKING VOLTAGE = 280V	 26 POSITION 28 AWG MAX. 2 AMP MAX. PIN Ø = 0.50 [0.020] CONTACT RESISTANCE = 10 mΩ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V

CHART B

COLLET SIZE	WIRE DIAMETER
50	4.30 [0.169] ~ 5.20 [0.205]
60	5.30 [0.209] ~ 6.20 [0.244]
70	6.30 [0.248] ~ 7.20 [0.283]
80	7.30 [0.287] ~ 8.20 [0.323]
90	8.30 [0.327] ~ 9.20 [0.362]
00	9.30 [0.366] ~ 10.20 [0.402]

RoHS COMPLIANT



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DRAWN: M. SIGMON	DATE: 02-03-16	SCALE: N.T.S.	SHEET 1 OF 1	REV: 6
CHECKED:	DATE:		DWG NO. 822BYYY-273LYY1	