



## SPECIFICATIONS:

## MATERIALS:

HOUSING (INTERNAL): 196 $\mu$ " NICKEL MIN. PLATED BRASS  
 CONTACTS: 7 $\mu$ " GOLD PLATED OVER 196 $\mu$ " NICKEL MIN. COPPER ALLOY  
 SHELL AND COLLET NUT: 196 $\mu$ " CHROME PLATED BRASS OR 316F STAINLESS STEEL  
 INSULATOR: PPS (HIGH TEMPERATURE)  
 STRAIN RELIEF (BOOT): THERMOPLASTIC POLYURETHANE  
 ORING: SILICONE

## MECHANICAL:

DURABILITY: 5000 CYCLES  
 MAXIMUM TORQUE: 2.0 Nm [17.7 IN/LBS]  
 SHIELDING: 75dB @ 10MHz  
 40dB @ 1GHz

## ENVIRONMENT:

OPERATING TEMPERATURE: -40°C TO +200°C  
 PROCESS TEMPERATURE: 260°C FOR 5 SECONDS  
 WATER PROOF: IP67

## CHART A

● = KEY LOCATION					**VIEW FROM TERMINATION END**
2 POSITION 16 AWG MAX. 20.5 AMP MAX. PIN $\phi$ = 2.00 [0.079]  CONTACT RESISTANCE = 3 m $\Omega$ TEST VOLTAGE = 2100V WORKING VOLTAGE = 700V	3 POSITION 18 AWG MAX. 17 AMP MAX. PIN $\phi$ = 1.80 [0.063]  CONTACT RESISTANCE = 4 m $\Omega$ TEST VOLTAGE = 2400V WORKING VOLTAGE = 800V	4 POSITION 20 AWG MAX. 15 AMP MAX. PIN $\phi$ = 1.30 [0.051]  CONTACT RESISTANCE = 5 m $\Omega$ TEST VOLTAGE = 1850V WORKING VOLTAGE = 615V	6 POSITION 20 AWG MAX. 12 AMP MAX. PIN $\phi$ = 1.30 [0.051]  CONTACT RESISTANCE = 5 m $\Omega$ TEST VOLTAGE = 1350V WORKING VOLTAGE = 450V	8 POSITION 22 AWG MAX. 10 AMP MAX. PIN $\phi$ = 0.90 [0.035]  CONTACT RESISTANCE = 6 m $\Omega$ TEST VOLTAGE = 1500V WORKING VOLTAGE = 500V	
10 POSITION 22 AWG MAX. 8 AMP MAX. PIN $\phi$ = 0.90 [0.035]  CONTACT RESISTANCE = 6 m $\Omega$ TEST VOLTAGE = 1450V WORKING VOLTAGE = 500V	12 POSITION 24 AWG MAX. 7 AMP MAX. PIN $\phi$ = 0.70 [0.028]  CONTACT RESISTANCE = 7.5 m $\Omega$ TEST VOLTAGE = 1250V WORKING VOLTAGE = 480V	14 POSITION 24 AWG MAX. 6.5 AMP MAX. PIN $\phi$ = 0.70 [0.028]  CONTACT RESISTANCE = 7.5 m $\Omega$ TEST VOLTAGE = 1150V WORKING VOLTAGE = 380V	16 POSITION 24 AWG MAX. 6 AMP MAX. PIN $\phi$ = 0.70 [0.028]  CONTACT RESISTANCE = 7.5 m $\Omega$ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V	19 POSITION 24 AWG MAX. 5 AMP MAX. PIN $\phi$ = 0.70 [0.028]  CONTACT RESISTANCE = 7.5 m $\Omega$ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V	26 POSITION 28 AWG MAX. 1.5 AMP MAX. PIN $\phi$ = 0.50 [0.020]  CONTACT RESISTANCE = 10 m $\Omega$ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V

822K YYY - 173L YY 1

16.00 [0.630] 1 = GOLD FLASH  
 # OF POSITIONS (Ex. 002) 1 = MALE  
 \*\*SEE CHART A\*\* CABLE MOUNT  
 3 = NICKEL/CHROME PLATED SHELL & NUT  
 S = 316F STAINLESS SHELL & NUT

## 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	8.60 [0.339] ~ 9.00 [0.354]

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DRAWN:  
 M. SIGMON

DATE:  
 02/19/2016

UNITS = mm [inch]

DO NOT SCALE FROM DRAWING

NorComp	SCALE: NTS	SHEET 1 OF 1	REV 12
	DWG NO.	822KYYY-173LYY1	