



SPECIFICATIONS:

MATERIALS:

HOUSING (INTERNAL):	196μ" NICKEL MIN. PLATED BRASS
CONTACTS:	7μ" GOLD PLATED OVER 196μ" NICKEL MIN. COPPER ALLOY
SHELL AND COLLET NUT:	196μ" 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

<p>2 POSITION 16 AWG MAX. 20.5 AMP MAX. PIN Ø = 2.00 [0.079]</p> <p>CONTACT RESISTANCE = 3 mΩ TEST VOLTAGE = 2100V WORKING VOLTAGE = 700V</p>	<p>3 POSITION 18 AWG MAX. 17 AMP MAX. PIN Ø = 1.60 [0.063]</p> <p>CONTACT RESISTANCE = 4 mΩ TEST VOLTAGE = 2400V WORKING VOLTAGE = 800V</p>	<p>4 POSITION 20 AWG MAX. 15 AMP MAX. PIN Ø = 1.30 [0.051]</p> <p>CONTACT RESISTANCE = 5 mΩ TEST VOLTAGE = 1850V WORKING VOLTAGE = 615V</p>	<p>6 POSITION 20 AWG MAX. 12 AMP MAX. PIN Ø = 1.30 [0.051]</p> <p>CONTACT RESISTANCE = 5 mΩ TEST VOLTAGE = 1350V WORKING VOLTAGE = 450V</p>	<p>8 POSITION 22 AWG MAX. 10 AMP MAX. PIN Ø = 0.90 [0.035]</p> <p>CONTACT RESISTANCE = 6 mΩ TEST VOLTAGE = 1500V WORKING VOLTAGE = 500V</p>	
<p>10 POSITION 22 AWG MAX. 8 AMP MAX. PIN Ø = 0.90 [0.035]</p> <p>CONTACT RESISTANCE = 6 mΩ TEST VOLTAGE = 1450V WORKING VOLTAGE = 500V</p>	<p>12 POSITION 24 AWG MAX. 7 AMP MAX. PIN Ø = 0.70 [0.028]</p> <p>CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 1250V WORKING VOLTAGE = 480V</p>	<p>14 POSITION 24 AWG MAX. 6.5 AMP MAX. PIN Ø = 0.70 [0.028]</p> <p>CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 1150V WORKING VOLTAGE = 380V</p>	<p>16 POSITION 24 AWG MAX. 6 AMP MAX. PIN Ø = 0.70 [0.028]</p> <p>CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V</p>	<p>19 POSITION 24 AWG MAX. 5 AMP MAX. PIN Ø = 0.70 [0.028]</p> <p>CONTACT RESISTANCE = 7.5 mΩ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V</p>	<p>26 POSITION 28 AWG MAX. 1.5 AMP MAX. PIN Ø = 0.50 [0.020]</p> <p>CONTACT RESISTANCE = 10 mΩ TEST VOLTAGE = 950V WORKING VOLTAGE = 315V</p>

822K YYY - 1 7 3 L YY 1

SERIES 16.00 [0.630]	1 = GOLD FLASH
# OF POSITIONS (Ex. 002) **SEE CHART A**	COLLET SIZE **SEE CHART B**
1 = MALE	
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]

RoHS COMPLIANT



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DRAWN:
M. SIGMON

DATE:
02/19/2016

UNITS = mm [inch]

DO NOT SCALE FROM DRAWING

NorComp

SCALE:
NTS

SHEET OF
1 1

REV
12

DWG NO.

822KYYY-173LYY1