

CHARACTERISSTICS

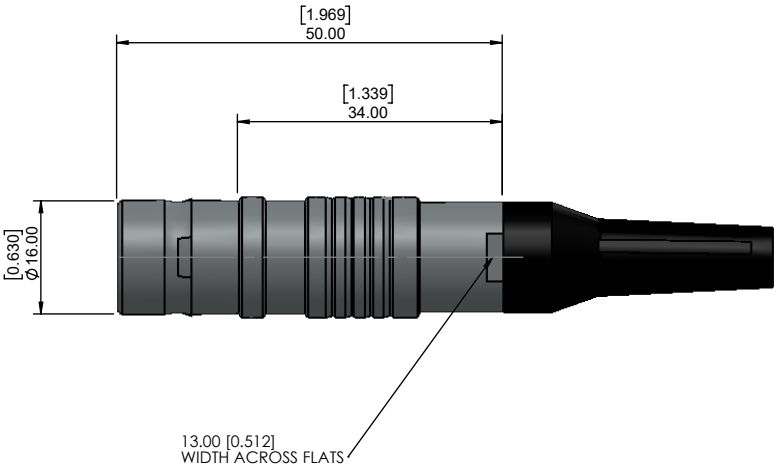
MATERIALS

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  
O-RING: SILICONE

MECHANICAL

DURABILITY: 5000 CYCLES  
OPERATING TEMP. RANGE: -40° C ~ +200° C  
PROCESS TEMPERATURE : 260°C FOR 5 SECONDS  
MAX. TOURQUE VALUE : 2.0 Nm [17.7 IN/LBS]  
SHIELDING: 75dB @ 10MHz  
40dB @ 1GHz

IP RATING: 67



822K YYY - 1 7 3 L YY 1

SERIES 16.00 [0.630]  
# OF POSITIONS (Ex. 002)  
\*\*SEE CHART A\*\*  
1 = MALE  
CABLE MOUNT  
1 = GOLD FLASH  
COLLET SIZE \*\*SEE CHART B\*\*  
RoHS COMPLIANT  
NICKEL/CHROME PLATED SHELL

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] |

CHART A

● = KEY LOCATION \*\*VIEW FROM TERMINATION END\*\*

|                                                                                                                                                                 |                                                                                                                                                                 |                                                                                                                                                                 |                                                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>2 POSITION<br/>16 AWG MAX.<br/>25 AMP MAX.<br/>PIN Ø = 2.00 [0.079]</p> <p>CONTACT RESISTANCE = 3 mΩ<br/>TEST VOLTAGE = 2100V<br/>WORKING VOLTAGE = 700V</p> | <p>3 POSITION<br/>18 AWG MAX.<br/>17 AMP MAX.<br/>PIN Ø = 1.60 [0.063]</p> <p>CONTACT RESISTANCE = 4 mΩ<br/>TEST VOLTAGE = 2400V<br/>WORKING VOLTAGE = 800V</p> | <p>4 POSITION<br/>20 AWG MAX.<br/>15 AMP MAX.<br/>PIN Ø = 1.30 [0.051]</p> <p>CONTACT RESISTANCE = 5 mΩ<br/>TEST VOLTAGE = 1850V<br/>WORKING VOLTAGE = 615V</p> | <p>6 POSITION<br/>20 AWG MAX.<br/>12 AMP MAX.<br/>PIN Ø = 1.30 [0.051]</p> <p>CONTACT RESISTANCE = 5 mΩ<br/>TEST VOLTAGE = 1350V<br/>WORKING VOLTAGE = 450V</p> |
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RoHS COMPLIANT

|  |                                                                                                                                                                                             |         |                         |          |        |       |    |      |
|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------|----------|--------|-------|----|------|
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|  |                                                                                                                                                                                             |         | M. SIGMON               | 02-19-16 | N.T.S. | 1     | 1  | 7    |
|  |                                                                                                                                                                                             |         | DWG NO. 822KYYY-173LYY1 |          |        |       |    |      |