



SPECIFICATIONS:

MATERIALS:

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

MECHANICAL:

MATING CYCLES: 5000 CYCLES
 OPERATING TEMPERATURE: -40°C TO +200°C
 PROCESS TEMPERATURE: 260°C FOR 5 SECONDS
 SHIELDING: 75dB @ 10MHz // 40dB @ 1GHz
 IP RATING: 50
 MAX TORQUE VALUE: 0.5 Nm

820BYYY-173LYY1

SERIES _____
 POSITIONS _____
 YYY = SEE POSITION CHART
 GENDER _____
 1 = MALE
 TYPE _____
 7 = CABLE MOUNT
 KEY ORIENTATION _____
 3 = 1 KEY // 0°
 COLLET SIZE* _____
 30
 40
 50
 *SEE "COLLET SIZE CHART"
 CONTACT PLATING _____
 1 = 7µ" GOLD PLATED

POSITION CHART // ELECTRICAL/WIRE SPECIFICATIONS

POSITIONS	CONTACTS*	CONTACT Ø	MAX CONTACT mΩ	WORKING VOLTAGE	MAX AMPERAGE	MAX WIRE AWG
002		0.90mm	6.0 mΩ	330 V	10.0 A	22
003		0.90mm	6.0 mΩ	400 V	8.0 A	22
004		0.70mm	7.5 mΩ	280 V	7.0 A	24
005		0.70mm	7.5 mΩ	280 V	6.5 A	24
006		0.50mm	10.0 mΩ	280 V	2.5 A	28
007		0.50mm	10.0 mΩ	260 V	2.5 A	28
009		0.50mm	10.0 mΩ	200 V	2.0 A	28

COLLET SIZE:	CABLE DIAMETER:
30	2.50 ~ 3.20
40	3.30 ~ 4.20
50	4.30 ~ 5.20

RoHS COMPLIANT



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DRAWN: M. SIGMON
 DATE: 02/03/2016

UNITS = mm

DO NOT SCALE FROM DRAWING



SCALE: NTS
 SHEET 1 OF 1
 REV 9
 DWG NO. 820BYYY-173LYY1

Mouser Electronics

Authorized Distributor

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<u>820B007-173L501</u>	<u>820B009-173L501</u>	<u>820B005-173L501</u>	<u>820B005-173L351</u>	<u>820B002-173L501</u>	<u>820B005-173L401</u>
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