

BACK-MOUNTING MINIATURE PUSHBUTTON

This rugged multi-option pushbutton series offers the utmost in choices of mounting styles, colors, terminations, lighting and momentary switching. The Series 89 offers all these options in one compact package size.

APPLICATIONS:

- Office equipment
- Medical equipment
- Industrial machinery
- Outdoor controls
- Mass transportation
- Food processing equipment



ACTUAL SIZE

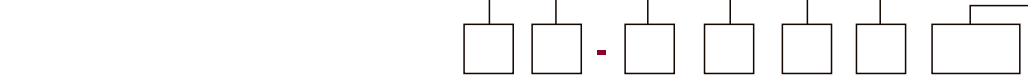
KEY FEATURES:

- Momentary action
- Many button colors
- Choice of LED colors (or non-lighted versions)
- Solder, PC terminals or Wirelead

ORDERING INFORMATION:

Series:	Body Type:	Module Type:	Switch Function:	Switch Termination:
Blank Gold Contact	**88** Short Body Type	**1**	Momentary	Solder
S Silver Contact		**5**	Momentary	PC
		A	Momentary	Wirelead
	89 Long Body Type	**1**	Momentary	Solder
		2	Maintained	Solder
		5	Momentary	PC
		6	Maintained	PC
		A	Momentary	Wirelead
		B	Maintained	Wirelead

Button Material:	Button Style:	LED Color:	Voltage Resistor:
1 Zinc Alloy, Velour Chrome, Plated	**0** Non-lit	**N** None*	If Blank*
2 Zinc Alloy, Mirror Black	**1** Center Spot	**G** Green	**05** 5V Forward
3 Zinc Alloy, Matt Black	**2** Ring Illumination	**R** Red	**12** 12V Forward
4 Stainless Steel Natural	**3** Standby / Power	**A** Amber	**24** 24V Forward
		B Blue	
		W White	
		Y Yellow	
		RB Red / Blue	
		RG Red / Green	



* Current limiting resistor is required to limit LED forward current to 20 mA (not included).

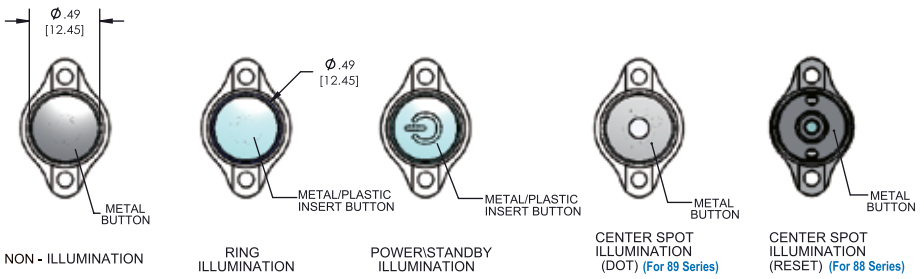
STANDARDS / AGENCY / RATINGS:

RoHS COMPLIANT 2002 / 95 / EC

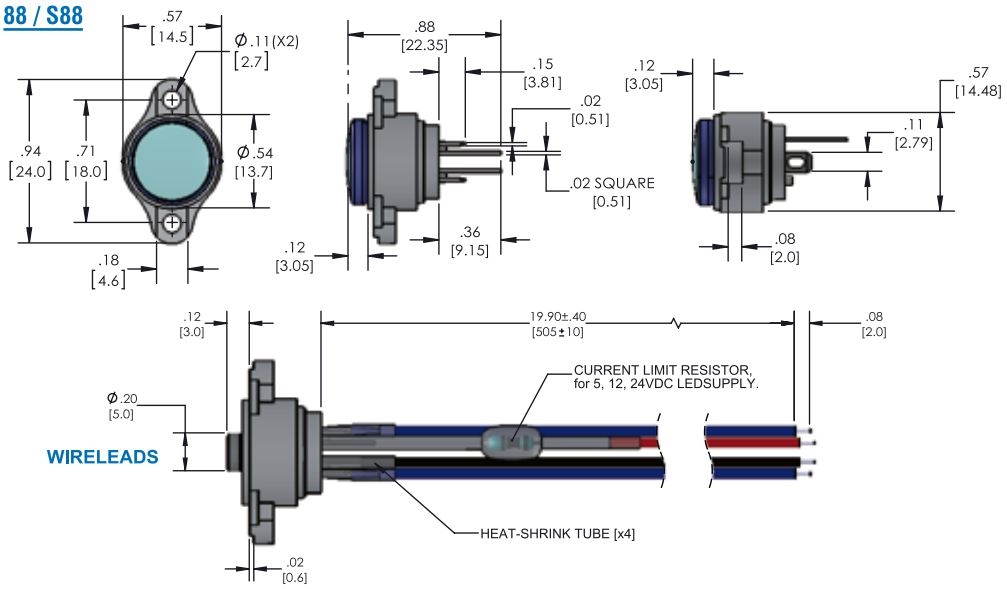
IEC IP67 COMPLIANT

SERIES 88/89: BACK-MOUNTING MINIATURE PUSHBUTTON

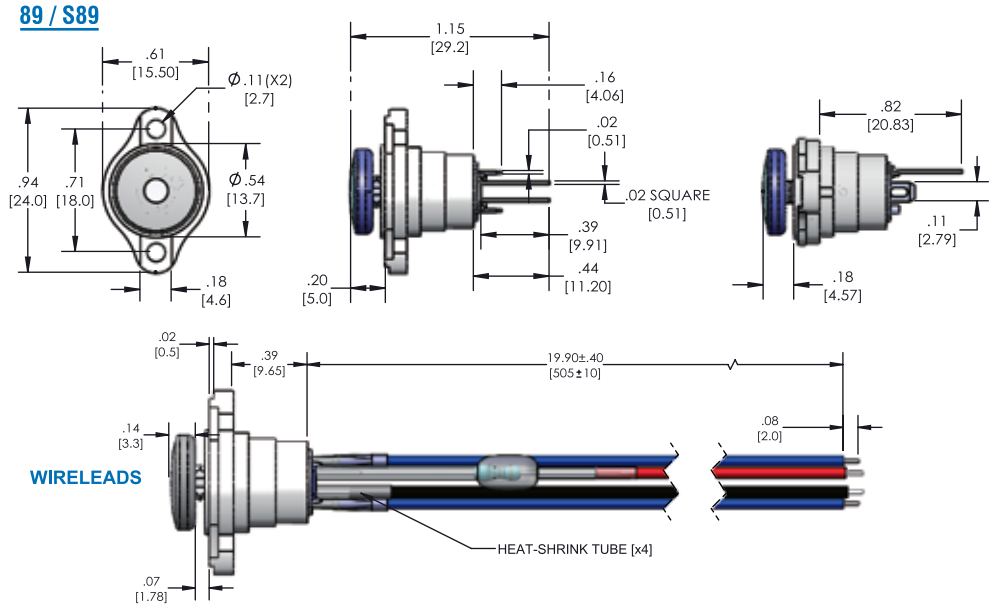
PRODUCT DRAWINGS



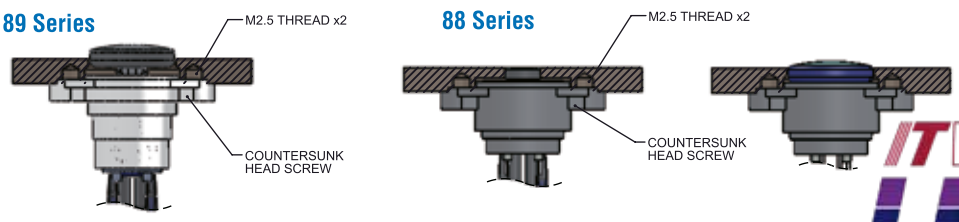
88 / S88



89 / S89



APPLICATION EXAMPLE



MECHANICAL CHARACTERISTICS

CIRCUIT:
SPST-NO-DB (FORM X)
OPERATING FORCE (NOM):
[3N] 306g
CONTACT BOUNCE (NOM):
1 ms

ENVIRONMENTAL SPECIFICATIONS

OPERATING TEMPERATURE:
88/S88
[-20°C to +55°C] -4°F to +131°F
89/S89 (Non-Illumination Type)
[-40°C to +85°C] -40°F to +185°F
89/S89 (Illumination Type)
[-25°C to +85°C] -13°F to +185°F

ELECTRICAL SPECIFICATIONS

CURRENT RATING (resistive):
88
10mA @ 12VDC,1000K CYCLES NOMINAL
S88
10mA @ 12VDC,200K CYCLES NOMINAL
89
10mA @ 12VDC,1000K CYCLES NOMINAL
S89
10mA @ 12VDC,200K CYCLES NOMINAL
DIELECTRIC STRENGTH:
1,000 VAC
INSULATION RESISTANCE:
1G OHM
CONTACT RESISTANCE:
50m OHMS
WIRE LEADS:
UL STYLE 1007
26 AWG, STRANDED

Designs and specifications are subject to change without notice due to product improvement.