Bourns® Model 3590 Alternates

Riverside, California - June 29, 2010 - Bourns® Sensors and Controls Product Line has experienced a significant increase in demand for the Bourns® Model 3590. As a result, the lead time has been extended to over 24 weeks.

Alternatives to the Model 3590S with shorter lead times are Models 3540S and 3549S. The following table outlines the difference in specifications between the three Bourns® Models.

Specification	3590S	3540S	3549S
Standard Resistance Range	200 to 100K ohms	100 to 100K ohms	100 to 100K ohms
Total Resistance Tolerance	±5 %	±5 %	±3 %
Independent Linearity	±0.25 %	±0.25 %	±0.2 %

Power Rating
    2 watts
    0 watt
	
	+40 °C
	+125 °C
		
		+70 °C
		+125 °C
			
			+70 °C
			+125 °C

Rotational Life
    No Load
    Powered (MIL-PRF-12934)
	
	1,000,000 shaft revolutions
	1,000,000 shaft revolutions
		
		1,000,000 shaft revolutions
		1,000,000 shaft revolutions
			
			2,000,000 shaft revolutions
			2,000,000 shaft revolutions

Model 3540S has a standard lead time of 6 weeks.

Model 3549S has a standard lead time of 8 weeks.

A complete cross reference is included on page 2. For the RoHS★ compliant part, please add an "L" to the part number.

3590 Features

- Bushing mount
- Optional AR pin feature
- Plastic or metal shaft and bushings
- Wirewound
- Solder lugs or PC pins
- Sealable (Full body seal)
- Designed for use in HMI applications
- *RoHS compliant versions available

3590 Part Number	3540 Alternate	3549 Alternate
3590S-1-201	3450S-1-201*	3549S-1AA-201A**
3590S-1-501	3540S-1-501*	3549S-1AA-501A**
3590S-1-102	3540S-1-102*	3549S-1AA-102A**
3590S-1-202	3540S-1-202*	3549S-1AA-202A**
3590S-1-502	3540S-1-502*	3549S-1AA-502A**
3590S-1-103	3540S-1-103*	3549S-1AA-103A**
3590S-1-203	3540S-1-203*	3549S-1AA-203A**
3590S-1-503	3540S-1-503*	3549S-1AA-503A**
3590S-1-104	3540S-1-104*	3549S-1AA-104A**
3590S-2-201	3450S-1-201	3549S-1AA-201A
3590S-2-501	3540S-1-501	3549S-1AA-501A
3590S-2-102	3540S-1-102	3549S-1AA-102A
3590S-2-202	3540S-1-202	3549S-1AA-202A
3590S-2-502	3540S-1-502	3549S-1AA-502A
3590S-2-103	3540S-1-103	3549S-1AA-103A
3590S-2-203	3540S-1-203	3549S-1AA-203A
3590S-2-503	3540S-1-503	3549S-1AA-503A
3590S-2-104	3540S-1-104	3549S-1AA-104A
3590S-3-201	No Cross	No Cross
3590S-3-501	No Cross	No Cross
3590S-3-102	No Cross	No Cross
3590S-3-202	No Cross	No Cross
3590S-3-502	No Cross	No Cross
3590S-3-103	No Cross	No Cross
3590S-3-203	No Cross	No Cross
3590S-3-503	No Cross	No Cross
3590S-3-104	No Cross	No Cross
3590S-4-201	No Cross	No Cross
3590S-4-501	No Cross	No Cross
3590S-4-102	No Cross	No Cross
3590S-4-202	No Cross	No Cross
3590S-4-502	No Cross	No Cross
3590S-4-103	No Cross	No Cross
3590S-4-203	No Cross	No Cross
3590S-4-503	No Cross	No Cross
3590S-4-104	No Cross	No Cross
3590S-5-201	No Cross	3549S-1AB-201A**

3590 Part Number	3540 Alternate	3549 Alternate
3590S-5-501	No Cross	3549S-1AB-501A**
3590S-5-102	No Cross	3549S-1AB-102A**
3590S-5-202	No Cross	3549S-1AB-202A**
3590S-5-502	No Cross	3549S-1AB-502A**
3590S-5-103	No Cross	3549S-1AB-103A**
3590S-5-203	No Cross	3549S-1AB-203A**
3590S-5-503	No Cross	3549S-1AB-503A**
3590S-5-104	No Cross	3549S-1AB-104A**
3590S-6-201	No Cross	3549S-1AB-201A
3590S-6-501	No Cross	3549S-1AB-501A
3590S-6-102	No Cross	3549S-1AB-102A
3590S-6-202	No Cross	3549S-1AB-202A
3590S-6-502	No Cross	3549S-1AB-502A
3590S-6-103	No Cross	3549S-1AB-103A
3590S-6-203	No Cross	3549S-1AB-203A
3590S-6-503	No Cross	3549S-1AB-503A
3590S-6-104	No Cross	3549S-1AB-104A
3590S-7-201	No Cross	No Cross
3590S-7-501	No Cross	No Cross
3590S-7-102	No Cross	No Cross
3590S-7-202	No Cross	No Cross
3590S-7-502	No Cross	No Cross
3590S-7-103	No Cross	No Cross
3590S-7-203	No Cross	No Cross
3590S-7-503	No Cross	No Cross
3590S-7-104	No Cross	No Cross
3590S-8-201	No Cross	No Cross
3590S-8-501	No Cross	No Cross
3590S-8-102	No Cross	No Cross
3590S-8-202	No Cross	No Cross
3590S-8-502	No Cross	No Cross
3590S-8-103	No Cross	No Cross
3590S-8-203	No Cross	No Cross
3590S-8-503	No Cross	No Cross
3590S-8-104	No Cross	No Cross

**Nickel-plated brass shaft instead of plastic.