

# SPS Series SMART Position Sensor Product Nomenclature



For example, **SPS-A100X-LAAS0401** defines an SPS Series SMART Position Sensor, Arc sensor type, 100° measurement range, outside diameter sensing, 5 Vdc supply voltage, 10% to 90% Vdc of 5 Vdc voltage output, Ampseal 16 termination, single output type, 0.4% linearity.

SPS Product Series	A Sensor Type	100 Measurement Range	X Optional Code (Arc, Rotary)	L Supply Voltage	A Output	A Termination	S Output Type	04 Linearity	01 Wild Card Field <sup>2</sup>
SPS Series SMART Position Sensor <sup>1</sup>	L Linear	Linear <b>035</b> 35 mm	D Inside diameter sensing	L 5 Vdc	A Voltage, 10% to 90% of 5 Vdc	L Leads only	R Redundant	<b>01</b> 0.1 %FS	<b>01</b> First variation
	A Arc	<b>075</b> 75 mm	X Outside diameter sensing	H 6 Vdc to 24 Vdc	S Current, 4 mA to 20 mA	M M12 connector	S Single	<b>04</b> 0.4 %FS	
	R Rotary	<b>225</b> 225 mm		V 18 Vdc to 40 Vdc	C CAN 2.0B-J1939	A Ampseal 16	V Inverted	<b>10</b> 1.0 %FS	
	P Plunger	Arc	<b>100</b> 100°		J 9 Vdc to 16 Vdc	D RS-232 type	W 18 AWG individual wires		<b>VX</b> Variable
			<b>180</b> 180°		N 13 Vdc to 30 Vdc	E 0.538 ≥4.645 V	Y Yazaki 7283-8730-30		
			<b>360</b> 360°			R RS485	S TYCO Super Seal 282087-1		
						S SPI			

**Notes:**

1. Nomenclature is subject to change without notice.
2. Variations include housing material, size, communication speed, EMC protection level, and plunger shaft length.