SPS Series SMART Position Sensor Product Nomenclature

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For example, **SPS-A100X-LAAS0401** defines an SPS Series SMART Postion 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	A	100	X	L	A	A	S	04	01
Product Series	Sensor Type	Measurement Range	Optional Code (Arc, Rotary)	Supply Voltage	Output	Termination	Output Type	Linearity	Wild Card Field[2]
SPS Series SMART Position Sensor[1]	**L** Linear **A** Arc **R** Rotary **P** Plunger	Linear **035** 35 mm **075** 75 mm **225** 225 mm Arc **100** 100° **180** 180° Rotary **360** 360°	**D** Inside diameter sensing **X** Outside diameter sensing	**L** 5 Vdc **H** 6 Vdc to 24 Vdc **V** 18 Vdc to 40 Vdc **J** 9 Vdc to 16 Vdc **N** 13 Vdc to 30 Vdc	**A** Voltage, 10% to 90% of 5 Vdc **S** Current, 4 mA to 20 mA **C** CAN 2.0B-J1939 **D** RS-232 type **E** 0.538 ≥4.645 V **R** RS485 **S** SPI	**L** Leads only **M** M12 connector **A** Ampseal 16 **W** 18 AWG individual wires **Y** Yazaki 7283-8730-30 **S** TYCO Super Seal 282087-1	**R** Redundant **S** Single **V** Inverted	**01** 0.1 %FS **04** 0.4 %FS **10** 1.0 %FS **VX** Variable	**01** First variation

Notes:

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

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