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Speed Sensor Selector Guide

Sensor (Click name to visit the web page)	Shaft Target	Sensing	Speed Signal Output		Housing			NRTL Haz-Loc Approvals
			Speed Signal	Output/ Interface	Type	Conduit Port?	Material	
ST420	Magnetic Pulser		Analog	2-wire 4-20 mA	M18x1 mm	No	SS	IS, Class I, II (UL)
ST420-LT, -DI	Magnetic Pulser		Analog	2-wire 4-20 mA	M18x1 mm	Yes	SS	DIP, Class II (FM)
FB420	Magnetic Pulser		Analog	3-wire 4-20 mA	XP	Yes	AL	XP, Class I, II (UL)
SpeedTalker(XP)	Magnetic Pulser		16-bit digital (network)	DeviceNet	XP	Yes	AL	XP, Class I, II (UL)
SpeedTalker(BH)	Magnetic Pulser		16-bit digital (network)	DeviceNet	M18x1 mm	No	SS	
Series 18	Magnetic Pulser	Hall Effect or Magneto-resistive	Frequency - Single or Quadrature	PNP or NPN	M18x1 mm	Yes or No	SS	IS Class I, II, III (FM)
906, 906 SS	Magnetic Pulser	Hall Effect	Frequency - Single	NPN	3/4-16 (2.50 L)	No	AL or SS	
906B, 906B SS	Magnetic Pulser	Hall Effect	Frequency - Quadrature	NPN	3/4-16 (2.50 L)	No	AL or SS	
907 XP	Magnetic Pulser	Hall Effect	Frequency - Single	NPN	XP	Yes	AL	XP, Class I, II (UL)
907B XP	Magnetic Pulser	Hall Effect	Frequency - Quadrature	NPN	XP	Yes	AL	XP, Class I, II (UL)
916	Magnetic Pulser	Passive Coil	Frequency - Single	20V lim coil	3/4-16 (2.50 L)	No	AL	
917 XP	Magnetic Pulser	Passive Coil	Frequency - Single	20V lim coil	XP	Yes	AL	
931 XP	Magnetic Pulser	Hall Effect	Frequency - Single	NPN	XP	Yes	AL	XP, Class I, II (UL)
932, 932 SS	Magnetic Pulser	Magneto-resistive	Frequency - Single	NPN	3/4-16 (2.50 L)	No	AL or SS	
933 XP	Magnetic Pulser	Magneto-resistive	Frequency - Single	NPN	XP	Yes	AL	XP, Class I, II (UL)
HE950	Gear-Tooth	n/a	Frequency - Single	NPN	3/4-16 (2.50 L)	No	AL	
HE950-18	Gear-Tooth	n/a	Frequency - Single	NPN	M18x1 mm	No	SS	
1101	Magnetic Pulser	Hall Effect	Frequency - Single	NPN	.437 smooth (2.00 L)	No	SS	
1101-RK	Magnetic Pulser	Hall Effect	Frequency - Single	NPN	.437 smooth (3.75 L)	No	SS	
1102	Magnetic Pulser	Magneto-resistive	Frequency - Single	NPN	.437 smooth (2.00 L)	No	SS	
1102-RK	Magnetic Pulser	Magneto-resistive	Frequency - Single	NPN	.437 smooth (3.75 L)	No	SS	
1201	Magnetic Pulser	Hall Effect	Frequency - Quadrature	NPN	.437 smooth (3.75 L)	No	SS	
1202	Magnetic Pulser	Hall Effect	Frequency - Quadrature	NPN	.437 smooth (5.50 L)	No	SS	
608, 608-1 prox	Ferrous Pulser	Prox (-1 shielded)	Frequency - Single	NPN	M8x1 mm (30 L)	No	Ni, Plastic	
612, 612-1 prox	Ferrous Pulser	Prox (-1 shielded)	Frequency - Single	NPN	M12x1 mm (35 L)	No	Ni, Plastic	
618, 618-1 prox	Ferrous Pulser	Prox (-1 shielded)	Frequency - Single	NPN	M18x1 mm (40 L)	No	Ni, Plastic	
630, 630-1 prox	Ferrous Pulser	Prox (-1 shielded)	Frequency - Single	NPN	M30x1.5 mm (50 L)	No	Ni, Plastic	
380 Encoder	n/a	n/a	Frequency - Single or Quadrature	NPN	.375 shaft	No	AL	
470 Encoder	n/a	n/a	Frequency - Quadrature with Z	NPN	.375 shaft (HD)	No	AL	
DRK-56C, -143TC	199SM Magwheel	1101/2 or 1101/2-RK	Frequency - Single	NPN	NEMA 56C, 143TC	Yes	AL	
QDK-56C, -143TC	199SM Magwheel	1201	Frequency - Quadrature	NPN	NEMA 56C, 143TC	Yes	AL	
DRK-___TC	199SM Magwheel	1101/2-RK	Frequency - Single	NPN	NEMA 182, 213, 254TC	Yes	AL	
QDRK-___TC	199SM Magwheel	1202	Frequency - Quadrature	NPN	NEMA 182, 213, 254TC	Yes	AL	