



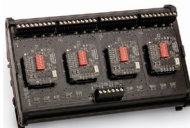
Sensata
Technologies

Encoder Modules & Signal Accessories

Encoder Modules & Signal Accessories

These accessories supplement the encoder signal or output by modifying it in some way to overcome challenges faced in an application.

	Module	Description	What You Have	What You Need	What to Order	Encoder Usage
	Optical Isolator Module	Shifts data signals voltage level to make them compatible with a variety of controllers without fear of electrical crosstalk or ground loops.	Encoder Output/Logic Level	Optical Isolator Output Logic Level	Part Number	Can be used with any Incremental Encoder
			5 VDC	Vout = Vin	60001-003	
				Vout = 5VDC	60001-002	
				Vout = OC	60001-004	
			12 - 15 VDC	Vout = Vin	60001-008	
				Vout = 5VDC	60001-012	
				Vout = OC	60001-014	
			24 VDC	Vout = Vin	60001-010	
				Vout = 5VDC	60001-011	
				Vout = OC	60001-013	
	Intrinsic Safety Barrier	Device that limits the amount of power that can go into a hazardous area during a fault condition.	N/A	Output Logic (Safe Zone)	Part Number	Can only be used with Sensata-BEI Sensors Incremental Intrinsic Safety Encoders
				Vout = 5V	60004-002	
				Vout = Vin	60004-003	
				Open Collector	60004-004	
				Vout = 5V (Open wire detect)	60004-005	
				Vout = Vin (Open wire detect)	60004-006	
					Dual Encoder to USB Converter	
SSI	S3 (SSI Only)	60013-001				
	Quadrature	5Vdc	60013-002			
15 Vdc (12 - 15 Vdc)		60013-003				
24 Vdc		60013-004				
Special Feature - (Automatic Data Sample - User programmable, Specify: -S= Data Sample Function)	S3 (SSI Only)	60013-007				
	5Vdc	60013-006				
	15 Vdc (12 - 15 Vdc)	60013-010				
	24 Vdc	60013-009				

	Module	Description	What You Have	What You Need	What to Order	Encoder Usage
	Anti-Dither Module	Reduces excess counts by an encoder in high vibration environments by injecting a 1/4 cycle of hysteresis into the signal.	Data Input	Supply and output voltage to Anti-Dither	Part Number	Can be used with any Incremental Encoder
			5V	Vout = Vin	60003-004	
				Vout = OC	60003-002	
				Vout = 5VDC	60003-003	
			15V	Vout = Vin	60003-009	
				Vout = OC	60003-010	
				Vout = 5VDC	60003-007	
			24V	Vout = Vin	60003-006	
				Vout = OC	60003-011	
				Vout = 5VDC	60003-008	
	Divide-By Module	Divides the incoming data signal by the Divide-By factor indicated.	Note: Other Divide By Factors available consult factory	Divide by factor and Supply/Output Voltage	Part Number	Can be used with any Incremental Encoder
			5V	Divide by 8, 28V/5	60016-008	
				Divide by 4, 28V/5	60016-016	
			15V	Divide by 5, 28V/5	60016-017	
				Divide by 5, 28V/V	60016-024	
			24V	Divide by 4, 28V/V	60016-031	
				Serial to Parallel Converter	Takes a SSI input from 5 to 28 volts and turns it into a 16 bit parallel word.	
5-28V	60007-001					
5 Volts	60007-002					
Open Collector	60007-003					
	Encoder Signal Broadcaster Module	Takes a single encoder signal and shares it through a four-way optically isolated splitter. This allows the user to produce multiple encoder signals off of one encoder. Each signal can also be modified by inserting a special functional board into a slot for that particular signal.	Note: Other Broadcaster versions available. Consult Factory	Broadcaster Details	Part Number	Can be used with any Incremental Encoder
			5V	4 Opto Isolators 28V/V	60011-001	
				4 Divide By 28V/V	60011-002	
				4 Opto Isolators 28V/5	60011-011	
				4 Opto Isolators, 3@ 28V/5 and 1@ 28V/OC	60011-068	
				4 Anti-Dither outputs @ 28V/V	60011-089	
			15V	4 Opto Isolators 28V/V	60011-010	
			24V	4 Opto Isolators 28V/V	60011-003	
				4 Opto Isolators, 2@ 28V/V and 2@ 28V/5	60011-027	
				1 Divide By @ 28V/V and 3 Opto Isolators @ 28V/V	60011-050	
				4 Divide By @ 28 V/V	60011-052	

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