





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 levels to make them compatible with a variety of controllers without fear of electrical crosstalk or ground loops.	Encoder Output/Logic Level 5 VDC	Optical Isolator Output Logic Level Vout = Vin	Part Number 60001-003	Can be used with any Incremental Encoder
			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	

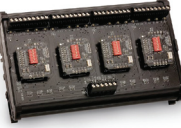
Module	Description	What You Have	What You Need	What to Order	Encoder Usage
	Intrinsic Safety Barrier Device that limits the amount of power that can go into a hazardous area during a fault condition.	N/A	Output Logic (Safe Zone) Vout = 5V	Part Number 60004-002	Can only be used with Sensata-BEI Sensors Incremental Intrinsic Safety Encoders
			Vout = Vin	60004-003	
			Open Collector	60004-004	
			Vout = 5V (Open wire detect)	60004-005	
			Vout = Vin (Open wire detect)	60004-006	

Module	Description	What You Have	What You Need	What to Order	Encoder Usage
	Dual Encoder to USB Converter Takes encoder signals and converts them to data values for use with computers or lab equipment.	Data Input SSI	Supply to Converter S3 (SSI Only)	Part Number 60013-001	Can be used with any Incremental or SSI Absolute Encoder
			5Vdc	60013-002	
		Quadrature	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 5V	Supply and output voltage to Anti-Dither Vout = Vin	Part Number 60003-004	Can be used with any Incremental Encoder
			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	

Module	Description	What You Have	What You Need	What to Order	Encoder Usage
	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 Divide by 8, 28V/5	Part Number 60016-008	Can be used with any Incremental Encoder
			Divide by 4, 28V/5	60016-016	
			Divide by 5, 28V/5	60016-017	
			Divide by 5, 28V/V	60016-024	
			Divide by 4, 28V/V	60016-031	

Module	Description	What You Have	What You Need	What to Order	Encoder Usage
	Serial to Parallel Converter Takes a SSI input from 5 to 28 volts and turns it into a 16 bit parallel word.	5 - 28V SSI	Output Options 5-28V	Part Number 60007-001	Can be used with any SSI Absolute Encoder
			5 Volts	60007-002	
			Open Collector	60007-003	

Module	Description	What You Have	What You Need	What to Order	Encoder Usage	
	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 4 Opto Isolators 28V/V	Part Number 60011-001	Can be used with any Incremental Encoder	
			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

**GOT QUESTIONS?
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