

## Compatible SSI Absolute Encoders for Use with POSYS® 800/800-B/900/1800 and 1900 series

The SSI 800/900 supports the following resolutions: 10, 12, 13 and 25 Bit  
 Other resolutions are possible, but need re-programming of FPGA (3000 EURO NRE)  
 4 different resolutions are possible and can be defined by setting the appropriate jumpers on the SSI 800/900  
 Jumper settings can be overwritten by software commands  
 It is possible to switch between incremental and absolute encoder input, defined in user software

The following table gives an overview of compatible encoders from different suppliers.  
 Please note that the model names are not complete and different versions are available for other interfaces  
 The exact version must be determined by completing the version number  
 The data format must be Gray-code which is converted to binary code by the SSI 800/900  
 Some versions are programmable, others must be ordered by specifying the correct model name  
 Please note that this table is not complete

Manufacturer	Model	Resolution	Type	Single-/Multiturn	URL
BEI	SHA5 5 xx G 13B12 xx x	25 Bit	Rotary	Multiturn	<a href="http://www.bei-ideacod.com">www.bei-ideacod.com</a>
BEI	SHM5 xx 5 xx G 13B12 xx x	25 Bit	Rotary	Multiturn	<a href="http://www.bei-ideacod.com">www.bei-ideacod.com</a>
BEI	SHM9 12 5 xx G 13B12 xx x	25 Bit	Rotary	Multiturn	<a href="http://www.bei-ideacod.com">www.bei-ideacod.com</a>
BEI	SHU5 xx G 13B12 xx R	25 Bit	Rotary	Multiturn	<a href="http://www.bei-ideacod.com">www.bei-ideacod.com</a>
Eltra	EA-xx-x-x-G-x-S-xx...	10 Bit, 12 Bit, 13 Bit, 25 Bit	Rotary	Singleturn	<a href="http://www.eltra.it">www.eltra.it</a>
Eltra	EAM-xx-x-x-G-x-S-xx...	10 Bit, 12 Bit, 13 Bit, 25 Bit	Rotary	Multiturn	<a href="http://www.eltra.it">www.eltra.it</a>
Heidenhain	ECN 113	13 Bit	Rotary	Singleturn	<a href="http://www.heidenhain.de">www.heidenhain.de</a>
Heidenhain	ECN 413	13 Bit	Rotary	Singleturn	<a href="http://www.heidenhain.de">www.heidenhain.de</a>
Heidenhain	EQN 425	25 Bit	Rotary	Multiturn	<a href="http://www.heidenhain.de">www.heidenhain.de</a>
Heidenhain	ROC 410	10 Bit	Rotary	Singleturn	<a href="http://www.heidenhain.de">www.heidenhain.de</a>
Heidenhain	ROC 412	12 Bit	Rotary	Singleturn	<a href="http://www.heidenhain.de">www.heidenhain.de</a>
Heidenhain	ROC 413	13 Bit	Rotary	Singleturn	<a href="http://www.heidenhain.de">www.heidenhain.de</a>
Heidenhain	ROQ 425	25 Bit	Rotary	Multiturn	<a href="http://www.heidenhain.de">www.heidenhain.de</a>
Hengstler / Danaher Motion	Acuro Drive SSI	25 Bit	Rotary	Multiturn	<a href="http://www.hengstler.com">www.hengstler.com</a>
Hengstler / Danaher Motion	Acuro Industry SSI	When programmed to 25 Bit	Rotary	Multiturn	<a href="http://www.hengstler.com">www.hengstler.com</a>
Hengstler / Danaher Motion	RA 58 M/1213...	25 Bit	Rotary	Multiturn	<a href="http://www.hengstler.com">www.hengstler.com</a>
Hengstler / Danaher Motion	RA 58 S/0010..., /0012..., /0013..	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.hengstler.com">www.hengstler.com</a>
Hengstler / Danaher Motion	RA 58-P/1213...	When programmed to 25 Bit	Rotary	Multiturn	<a href="http://www.hengstler.com">www.hengstler.com</a>
Kübler	85850xx1x(G10, G12, G13)x	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	85850xx2x(G10, G12, G13)x	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	85862xx2x2004 or 85862xx5x2004	25 Bit	Rotary	Multiturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	85870xx1x(G10, G12, G13)x	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	85870xx2x(G10, G12, G13)x	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	85876xx1x(G10, G12, G13)x	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	85876xx2x(G10, G12, G13)x	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	85882xx2x2004 or 85882xx5x2004	25 Bit	Rotary	Multiturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	87031xx1x(G10, G12, G13)x	10 Bit, 12 Bit, 13 Bit	Rotary, ex-proof	Singleturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Kübler	89081xx2x2004 or 89081xx5x2004	25 Bit	Rotary	Multiturn	<a href="http://www.kuebler.com">www.kuebler.com</a>
Stegmann	AG 615	12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.stegmann.de">www.stegmann.de</a>
Stegmann	ARS 60	12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.stegmann.de">www.stegmann.de</a>
Stegmann	ATM 60 SSI	25 Bit	Rotary	Multiturn	<a href="http://www.stegmann.de">www.stegmann.de</a>
Stegmann	ATM 90 SSI	25 Bit	Rotary	Multiturn	<a href="http://www.stegmann.de">www.stegmann.de</a>
Thalheim	ATD 3S A 4 Y 7	25 Bit	Rotary	Multiturn	<a href="http://www.thalheim.de">www.thalheim.de</a>
Thalheim	ATD 3S A 4 Y 7	13 Bit	Rotary	Singleturn	<a href="http://www.thalheim.de">www.thalheim.de</a>
Thalheim	ATD 3S B14 Y 1	13 Bit	Rotary	Singleturn	<a href="http://www.thalheim.de">www.thalheim.de</a>
Thalheim	ATD 3S B14 Y 1	25 Bit	Rotary	Multiturn	<a href="http://www.thalheim.de">www.thalheim.de</a>
Thalheim	ATD 3S B14 Y 1	12 Bit	Rotary	Singleturn	<a href="http://www.thalheim.de">www.thalheim.de</a>
TR Electronic	BE-90	10 Bit, 12 Bit, 13 Bit, 25 Bit	Barcode-based Linear Measurement	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	CE 100-M SSI	25 Bit	Rotary	Multiturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	CE 65-M SSI	25 Bit	Rotary	Multiturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	HE 100-M SSI	25 Bit	Rotary	Multiturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	HE 100-S SSI	13 Bit	Rotary	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	HE 65-M SSI	25 Bit	Rotary	Multiturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	HE 65-S SSI	13 Bit	Rotary	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LA-41-K SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LA-42-H SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LA-65-H SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LA-66-K SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LA-80 SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LE-100 SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear Absolut LASER	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LP-38 SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LT-XXX-PI SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear High Precision	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	LT-XXX-S SSI	10 Bit, 12 Bit, 13 Bit, 25 Bit	Linear High Precision	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	ZE 65-M SSI	When programmed to 25 Bit	Rotary	Multiturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	ZE 65-S SSI	13 Bit	Rotary	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	ZH 80-M SSI	When programmed to 25 Bit	Rotary	Multiturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR Electronic	ZH 90-M SSI	When programmed to 25 Bit	Rotary	Multiturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR-Electronic	CE 100-S SSI	13 Bit	Rotary	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TR-Electronic	CE 65-S	13 Bit	Rotary	Singleturn	<a href="http://www.tr-electronic.de">www.tr-electronic.de</a>
TWK	CB 58, CB 65, CB 66, CB 105	12 Bit	Rotary	Singleturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	CBE 58, CBE 65, CBE 66	12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	CRE 58, CRE 65, CRE 66	25 Bit	Rotary	Multiturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	CRF 58, CRF 65, CRF 66, CRF 105	25 Bit	Rotary	Multiturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	IWE 250	13 Bit	Linear	Singleturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	KBE 58	13 Bit	Rotary	Singleturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	KRE 58	25 Bit	Rotary	Multiturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	MPE	25 Bit	Magnetostrictive linear	Singleturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	MSE	25 Bit	Magnetostrictive linear	Singleturn	<a href="http://www.twk.de">www.twk.de</a>
TWK	TBE 50	10 Bit, 12 Bit, 13 Bit	Rotary	Singleturn	<a href="http://www.twk.de">www.twk.de</a>

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