



Encoder series	ID	Functional safety	Calculation time t <sub>CAL</sub> in μs	Bit width of position 1	Encoder type	Error messages	Warning messages	BWZ 1	BWZ 2	BWZ 3	BWZ 4	System-specific interface	Position value 2	Temperature sensor 1 (external)	Temperature sensor 2 (internal)	Limit position signals	Operating status error sources	704 EnDat words	320 EnDat words	Datum shift	Adjustable recovery time	BBMT functions <sup>3)</sup>	RM bit can be reset
ECN 1023 / ROC 1023	606683, 606693	-	7	1)	C0	x	x	x	-	x	-	-	-	-	x	-	x	x	-	x	x	-	-
EQN 1035 / ROQ 1035	606688, 606696	-	7	1)	E0	x	x	x	-	x	x	-	-	-	x	-	x	-	x	x	-	-	
ECN 1123	803429	-	7	1)	C0	x	x	x	-	x	-	-	-	x	x	-	x	-	x	x	-	-	
EQN 1135	803430	-	7	1)	E0	x	x	x	-	x	x	-	-	x	x	-	x	-	x	x	-	-	
ECN 1123 FS	743586	x	7	1)	C0	x	x	x	-	x	-	-	x	x	x	-	x	-	x	x	-	-	
EQN 1135 FS	743587	x	7	1)	E0	x	x	x	-	x	x	-	x	x	x	-	x	-	x	x	-	-	
ECI 1118	744701, 747660	-	6	1)	C0	x	x	-	-	-	-	-	-	-	x	-	x	-	x	x	-	-	
ECI 1118	728563	-	6	1)	C0	x	x	-	-	-	-	-	-	-	x	-	x	-	x	x	-	-	
ECI 1119	1164812	-	5	1)	C0	x	x	x	-	x	x	x	-	x	x	-	x	-	x	x	-	-	
EBI 1135	820724	-	6	1)	D0	x	x	-	-	-	-	-	-	-	x	-	x	-	x	x	x	-	
EBI 1135	749596, 820725	-	6	1)	D0	x	x	-	-	-	-	-	-	-	x	-	x	-	x	x	x	-	
ECI 1119 FS	826930, 1164809	x	5	1)	C0	x	x	x	-	x	x	x	x	x	x	-	x	-	x	x	-	-	
EQI 1131	1164813	-	5	1)	E0	x	x	x	-	x	x	x	-	x	x	-	x	-	x	x	-	-	
EQI 1131 FS	826980, 1164811	x	5	1)	E0	x	x	x	-	x	x	x	x	x	x	-	x	-	x	x	-	-	
ECN 125	810801	-	7	1)	C0	x	x	x	-	x	-	-	-	-	x	-	x	-	x	x	-	-	
ECI 119	823407	-	6	1)	C0	x	x	-	-	-	-	-	-	x	x	-	x	-	x	x	-	-	
EBI 135	823405	-	6	1)	D0	x	x	-	-	-	-	-	-	x	x	-	x	-	x	x	x	-	
ExI 13xx FS	810661, 810662	x	5	1)	2)	x	x	x	-	x	x	x	x	x	x	-	x	-	x	x	-	-	
ExN 13xx	683643, 683645	-	7	1)	2)	x	x	x	-	x	x	-	-	x	x	-	x	-	x	x	-	-	
ExN 13xx FS	678919, 678921	x	7	1)	2)	x	x	x	-	x	x	-	x	x	x	-	x	-	x	x	-	-	
AEF 1323	1179213	-	7	1)	C0	x	x	x	-	x	-	-	-	x	x	-	x	-	x	x	-	-	
ExN 4xx FS	678920, 678922	x	7	1)	2)	x	x	x	-	x	x	-	x	-	x	-	x	-	x	x	-	-	
ROx 400 / ExN 4xx	683639, 683640 683641, 683642 683644, 683646	-	7	1)	2)	x	x	x	-	x	x	-	-	-	x	-	x	-	x	x	-	-	
ROx 4xx FS	1042256, 1042257 1042255, 1042258	x	7	1)	2)	x	x	x	-	x	x	-	x	-	x	-	x	-	x	x	-	-	
AE ECI 4010 FS	1130167	x	5	20	C0	x	x	x	-	x	x	-	x	x	x	-	x	-	x	x	-	-	
AE EBI 4010 FS	1130173	x	5	36	D0	x	x	x	-	x	x	-	x	x	x	-	x	-	x	x	x	-	

1) The bit width of the position corresponds to the last two digits of the name

2) Depending on version, see specifications

3) BBMT = Battery-buffered multiturn