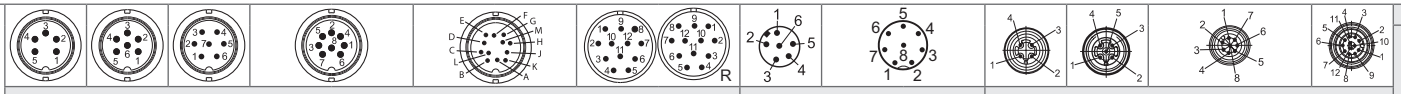
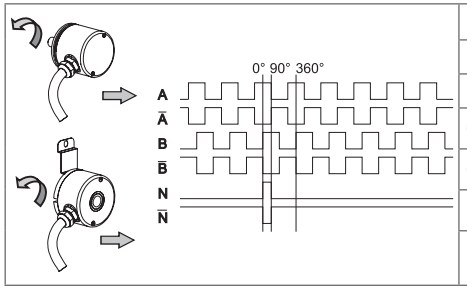
Leuze

Encoder Connector Chart EI/ES/EM

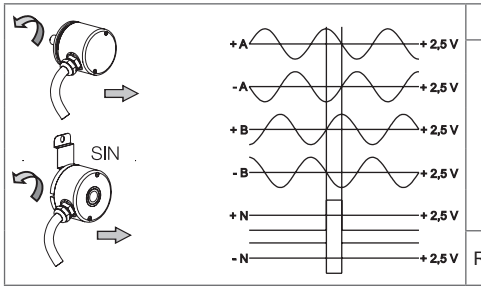


	Connector									M8 Sensor Connector			M12 Sensor Connector					Cable						
																			LT: EI 24 RN		LT: EI 58, 67 SQ, 70 CL, 115		EI 58 SF
	M16A05 axial, M16R05 radial, 5-pin	M16A06 axial, M16R06 radial, 6-pin	M16A07 axial, M16R07 radial, 7-pin	M16A08 axial, M16R08 radial, 8-pin		M16A12 axial, M16R12 radial, 12-pin		M23A12 axial, M23A12C axial M23R12 radial, M23R12C radial, 12-pin		M08A06 axial, 6-pin	M08A08 axial, 8-pin		M12A04S axial, M12R04S radial, 4-pin	M12A05S axial, M12R05S radial, 5-pin	M12A08S axial, M12R08S radial, 8-pin		M12A12S axial, M12R12S radial, 12-pin	A-N/A-C axial; R-N/R-C radial T-C tangential R-IPN/RN-30/RC-30						
Circuit	C3 C4 C5 C6 C7 D2	C3 C4 C5 C6 C7 D2	C3 C4 C5 C6 C7 D2	C3 C4 C5 C6 C7 D2	C1 C2 D1 D3 D4 D5 D6 D7 D8	C3 C4 C5 C6 C7 D2	C1 C2 D1 D3 D4 D5 D6 D7 D8	C3 C4 C5 C6 C7 D2	C1 C2 D1 D3 D4 D5 D6 D7 D8	B2	B2	B1	C3 C4 C5 C6 C7 D2	C3 C4 C5 C6 C7 D2	C1 C2 D1 D3 D4 D5 D6 D7	D8	C1 C2 D1 D3 D4 D5 D6 D7	B2 C3 C4 C5 C6 C7 D2	B1 D7	B1 D1 D6	C1 C2 D1 D3 D4 D5 D6 D7	C1 C2 D1 D3 D4 D5 D6	D8	C1 C2 D3 D4 D5 D6 D7
Minus U-	1	6	1	1	1	K / L	K / L	10	10	3	1	1	3	3	1	1	3	WH	WH	WH	WH	WH	WH	WH
Plus U+	2	1	2	2	2	M / B	M / B	12	12	2	2	2	1	1	2	2	1	BN	BN	BN	BN	BN	BN	BN
A	3	2	3	3	3	E	E	5	5	4	3	3	2	4	3	3	4	GN	GN	GN	GN	GN	GN	GN
B	4	4	4	4	4	H	H	8	8	5	4	4	4	2	4	5	6	YE	YE	YE	YE	YE	GY	YE
N	5	3	5	5	5	C	C	3	3	1	5	5	-	5	5	7	8	GY	GY	GY	GY	GY	BK	GY
A inv.	-	-	-	-	6	-	F	-	6	-	-	6	-	-	6	4	9	-	RD	RD	RD	RD	YE	RD
B inv.	-	-	-	-	7	-	A	-	1	-	-	7	-	-	7	6	7	-	PK	BK	BK	BU	PK	BU
N inv.	-	-	-	-	8	-	D	-	4	-	-	8	-	-	8	8	10	-	BU	VT	VT	VT	VT	VT
n. c.	-	5	6, 7	6, 7, 8	-	A, D, F, G, J	G, J	1, 2, 4, 6, 7, 9, 11	2, 7, 9, 11	6	6, 7, 8	-	-	-	-	-	2, 5, 11, 12	-	-	-	-	-	-	-
Shield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	Flex						

24-105925
2026/10/28



	U_B	I_{supply}	Output	$I_{OUT, max}$
B1, B2, C7, D7	5...30 VDC	≤70 mA	H > U_B-10 % U_B L < 2,5 VDC	40 mA B1, B2 = 30 mA
D1 D2,	4,75...30 VDC	B1, B2, D1 D2 ≤ 40 mA C2, C3, C4, D3, D4 ≤ 100 mA	H > U_B-2,5 VDC L < 2,5 VDC	
C4, C6, D4 D6	10...30 VDC		H > 2,5 VDC L < 1,2 VDC	
C1, C2			H > 2,5 VDC L < 0,5 VDC	
B1, B2, C3, C5, D3, D5	4,75...5.5 VDC			
Remarks	⚠	Without load		Per channel



	U_B	I_{supply}	Output
D8	4,75...5,5 VDC	≤100 mA	1 V peak to peak +/- 25 %
Remarks	⚠	Without load	Symetrically at Z_L = 120 Ohm

Connector housing/shield electrically connected to encoder housing (not R-IPN, A-N, R-N)

WH	white	YE	yellow	RD	red	VT	violet
BN	brown	GY	grey	BK	black		
GN	green	PK	pink	BU	blue		