










INCREMENTAL ENCODER

SOLID SHAFT AD ALBERO SPORGENTE

Model Modello		Dimensions (mm) Dimensioni (mm)	Shaft diameter (mm) Diametro albero (mm)	Max resolution Risoluzione max	Max enclosure rating Grado di protezione max	Max rotation speed Velocità max	Outputs Uscite	Hall phases Fasi di Hall	Power supply Tensione di alimentazione	Operating temperature Temperatura di funzionamento
EL 30 E/H/I		ø 30	ø 4 / ø 6	1.024 ppr	IP 54	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EH 38 A/B/D		ø 38 □ 38 □ 44	ø 6	1.024 ppr	IP 54	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-20° ... +70°C
EL 40 A/B/C/E/H/I		ø 42 □ 44	ø 4 / ø 6	7.200 ppr	IP 66	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EH - EL 58 B/C/H/T		ø 58	ø 6 / ø 8 / ø 9,52 / ø 10 / ø 12	10.000 ppr	IP 66	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C
EH - EL 63 A/D/E		ø 63,5 □ 63,5	ø 8 / ø 9,52 / ø 10	10.000 ppr	IP 66	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C
EL 63 AX* / DX*		ø 63,5 □ 63,5	ø 6 / ø 8 / ø 9,52 / ø 10	10.000 ppr	IP 66	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EL 63 M		ø 63,5	ø 12/M8	2.500 ppr	IP 54	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EH - EL 90 A		ø 90	ø 8 / ø 9,52 / ø 10	10.000 ppr	IP 66	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C
EH - EL 115 A/R		ø 115	ø 10 / ø 11	10.000 ppr	IP 54	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C

BLIND / THROUGH HOLLOW SHAFT AD ALBERO CIECO / PASSANTE

AH 22 E/I		ø 20	ø 2 / ø 3 / ø 4 / ø 5	500 ppr	IP 40	30.000 rpm	Line driver	-	5 Vdc	-20° ... +85°C
EF 36 K		ø 37	ø 8 / ø 9,52 / ø 10	1.024 ppr	IP 40	6.000 rpm	Line driver	✓	5 Vdc	-10° ... +85°C
EL 38 F/G		ø 39,5	ø 6 / ø 8 / ø 9,52 / ø 10	7.200 ppr	IP 54	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EL 40 G/GR		ø 45	ø 6 / ø 8 / ø 9,52 / ø 10	2.000 ppr	IP 54	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EL 40 M		ø 53	ø 6	1.024 ppr	IP 54	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EF 40 F		ø 46	ø 6 / ø 8 / ø 9,52 / ø 10 / ø 12,7	1.024 ppr	IP 66	3.000 rpm	Line driver	✓	5 Vdc	-10° ... +85°C
AH 48 P		ø 48	ø 8	2.500 ppr	IP 40	6.000 rpm	Line driver	✓	5 Vdc	-20° ... +85°C
EL - EF 49 C/P		ø 48,5	ø 6 / ø 8 / ø 10 / ø 12 / ø 12,7	5.000 ppr	IP 40	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	✓	5 Vdc 8 ... 24 Vdc	-10° ... +85°C
EL 50 F/G/K/FA/FP/GA/GP		ø 50	ø 6 / ø 8 / ø 9,52 / ø 10	5.000 ppr	IP 55	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C
EH - EL 53 A/B		ø 53,5	ø 6 / ø 8 / ø 10	10.000 ppr	IP 64	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C
EH - EL 58 F/G		ø 58	ø 8 / ø 9,52 / ø 10 / ø 12 / ø 14 / ø 15	10.000 ppr	IP 66	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C
EL 58 PFA/PPF/PGA/PGP		ø 58	ø 8 / ø 9,52 / ø 10 / ø 12 / ø 14 / ø 15	2.500 ppr	IP 66	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-20° ... +70°C
EH - EL 63 F/G/P/PB/GB/FB/PC/PBF/PCF		ø 63,5	ø 8 / ø 9,52 / ø 10 / ø 12 / ø 14 / ø 15	10.000 ppr	IP 66	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C
EL 63 GBM/FBM		ø 63,5	ø 8 / ø 10 / ø 12 / ø 14 / ø 15	2.048 ppr	IP 65	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-20° ... +70°C
EH - EL 72 A/B		ø 72	ø 6 / ø 8 / ø 10	10.000 ppr	IP 66	6.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	EH -20° ... +70°C EL -10° ... +60°C
EH - EF 80 C/P/K		ø 80	ø 8 / ø 10 / ø 14 / ø 15	2.048 ppr	IP 54	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	✓	5 Vdc 8 ... 24 Vdc	-10° ... +85°C

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EH 80 PFP		ø 80	ø 30 / ø 35 / ø 40 / ø 43,97	1.440 ppr	IP 54	3.000 rpm	Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc	-20° ... +85°C	AD ALBERO CIECO / PASSANTE BLIND / THROUGH HOLLOW SHAFT
EH 88 PE		ø 88	ø 25 / ø 30 / ø 35 / ø 38 / ø 40 / K25 / K30 / K35	1.024 ppr	IP 54	3.000 rpm	Npn / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-30° ... +85°C	
EL 88 P		ø 88	ø 25 / ø 30 / ø 35 / ø 38	2.048 ppr	IP 54	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
EH - EL 99 PT / PF		ø 99	ø 12 / ø 16 / T17	3.072 ppr	IP 67	3.000 rpm	Push pull / Line driver	-	5 Vdc 8 ... 30 Vdc	-40° ... +85°C	
EL 120 P		ø 120	ø 40 / ø 50 / ø 60	2.048 ppr	IP 54	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
EMI 22 A / AY*		ø 22	ø 6 / ø 8 / ø 9,52 / ø 10	2.048 ppr	IP 68	10.000 rpm	Push pull / Line driver	-	5 Vdc	-40° ... +125°C	MAGNETICI MAGNETIC
EMI 38 A		ø 39,5	ø 6 / ø 8 / ø 9,52 / ø 10	2.048 ppr	IP 64	6.000 rpm	Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-25° ... +100°C	
EMI 40 A		ø 42	ø 4 / ø 6	2.048 ppr	IP 65	6.000 rpm	Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-25° ... +100°C	
EMI 55 A / AY*		ø 55	ø 6 / ø 8 / ø 9,52 / ø 10	2.048 ppr	IP 68	10.000 rpm	Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-25° ... +100°C	
EMI 58 RY*		ø 58	K12	2.048 ppr	IP 66	3.000 rpm	Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-25° ... +100°C	
EMI 63 A / D		ø 63,5 □ 63,5	ø 6 / ø 8 / ø 9,52 / ø 10	2.048 ppr	IP 66	6.000 rpm	Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-25° ... +100°C	
EMI 63 AX* / DX*		ø 63,5 □ 63,5	ø 6 / ø 8 / ø 9,52 / ø 10	2.048 ppr	IP 66	6.000 rpm	Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-25° ... +100°C	
ER A / B / C / D / E / F		-	ø 6	0,01 mm	IP 64	1 m/s	Npn / Npn open collector / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
ETM A		-	-	0,01 mm	IP 67	4 m/s	Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
EX 80 A / D / AX* / DX*		ø 80 □ 80	ø 6 / ø 8 / ø 10	10.000 ppr	IP 65	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	0° ... +50°C	ALTRI PRODOTTI OTHER PRODUCTS
EC 34 A		-	ø 10	2.000 ppr	IP 64	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
RH 200 A / B / C		-	ø 8	1.024 ppr	IP 66	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
RH / RM 500 A / B / C		-	ø 10	10.000 ppr	IP 66	3.000 rpm	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
EV A / B / C		-	ø 6 / ø 10	10.000 ppr	IP 64	-	Npn / Npn open collector / Push pull / Line driver	-	5 ... 28 Vdc 5 Vdc 8 ... 24 Vdc	-10° ... +60°C	
ETM R		-	ø 9 / ø 9,52 / ø 10 / ø 11 / ø 14 / ø 19 / ø 21 / ø 24 / ø 28 / ø 35	4.096 ppr	IP 67	8.000 rpm	Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	-20° ... +85°C	
EMB		-	-	-	-	-	Npn / Npn open collector / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	0° ... +50°C	SCHEDE DI INTERFACCIA CONDITIONING BOARDS
EMD		-	-	-	-	-	Npn / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	0° ... +40°C	

*
X = stainless steel / inox
Y = anodized / anodizzato

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