









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	SCHEDE DI INTERFACCIA CONDITIONING BOARDS
EMB		-	-	-	-	-	Npn / Npn open collector / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	0° ... +50°C	
EMD		-	-	-	-	-	Npn / Push pull / Line driver	-	5 Vdc 8 ... 24 Vdc	0° ... +40°C	

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

Headquarter Switzerland:
Pewatron AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
info@pewatron.com

Office Germany:
Pewatron Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87-0
info.de@pewatron.com



PEWATRON
SENSORS · POWER SOLUTIONS

We are here for you. Addresses and Contacts.

Sales Germany & Austria

Postcode 00000 – 31999
Postcode 38000 – 39999
Postcode 80000 – 99999
Austria

Kurt Stritzelberger

Phone +49 89 260 52 80
Mobile +49 171 803 41 35

kurt.stritzelberger@pewatron.com

Postcode 32000 – 37999
Postcode 40000 – 79999

Gerhard Vetter

Phone +49 674 394 75 75
Mobile +49 163 762 74 30

gerhard.vetter@pewatron.com

Geometrical sensors
Sensor elements

Thorsten Ravagni

Phone +49 60 479 53 627

thorsten.ravagni@pewatron.com

Sales Switzerland & Liechtenstein

Postcode 3000 – 9999

Basil Frei

Phone +41 44 877 35 18
Mobile +41 76 279 37 26

basil.frei@pewatron.com

Postcode 1000 – 2999

Christian Mohrenstecher

Mobile +41 76 444 57 93

christian.mohrenstecher@pewatron.com

Sales International Key Accounts

Peter Felder

Phone +41 44 877 35 05
Mobile +41 79 406 49 83

peter.felder@pewatron.com

Sales Other Countries / Product Management

Pressure Sensors

Philipp Kistler
Phone +41 44 877 35 03
philipp.kistler@pewatron.com

Accelerometers / Level Flow sensor elements

Thorsten Ravagni
Phone +49 60 479 53 627
thorsten.ravagni@pewatron.com

Drive technology CH Postcode 5000 – 9999 / DE

Roman Homa
Mobile +41 76 444 00 86
roman.homa@pewatron.com

Gas sensors / Gas sensor modules Load cells

Dr. Thomas Clausen
Phone +41 44 877 35 13
thomas.clausen@pewatron.com

Power supplies

Sebastiano Leggio
Phone +41 44 877 35 06
sebastiano.leggio@pewatron.com

Drive technology CH Postcode 1000 – 4999 / AT / IT / FR

Christian Mohrenstecher
Mobile +41 76 444 57 93
christian.mohrenstecher@pewatron.com

Flow / Level / Medical products

Dr. Adriano Pittarelli
Phone +49 8245 774 95 44
adriano.pittarelli@pewatron.com

Linear position sensors Angle sensors

Eric Letsch
Phone +41 44 877 35 14
eric.letsch@pewatron.com

Current sensors Power solutions

Osman Coban
Phone +49 71 635 363 898
osman.coban@pewatron.com