























# ABSOLUTE ENCODER

## SINGLETURN ABSOLUTE ASSOLUTI MONOGIRO




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	Code Tipo di codice	Power supply Tensione di alimentazione	Operating temperature Temperatura di funzionamento
<b>EA 40</b> A/B		∅ 42 □ 44	∅ 6	8 bit	IP 66	6.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector	Gray	5 Vdc 8 ... 28 Vdc	-10°... +60°C
<b>EA 58</b> B/C/F		∅ 58 ∅ 64	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10 / ∅ 12 / ∅ 14 / ∅ 15	13 bit	IP 66	6.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / Line driver SSI / Profibus /	Binary Gray Ico	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EA 63</b> A/D/E/F/G		∅ 64 □ 63,5	∅ 8 / ∅ 9,52 / ∅ 10 / ∅ 12 / ∅ 14 / ∅ 15	13 bit	IP 66	6.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / Line driver SSI / Profibus /	Binary Gray Ico	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EA 90</b> A		∅ 90	∅ 8 / ∅ 9,52 / ∅ 10	13 bit	IP 66	6.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / Line driver SSI / Profibus /	Binary Gray	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EA 115</b> A		∅ 115	∅ 10 / ∅ 11	13 bit	IP 54	6.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / SSI / Profibus	Binary Gray	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EA 63</b> AX* / DX*		∅ 63,5 □ 63,5	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	13 bit	IP 66	3.000 rpm	SSI / Profibus	Binary Gray	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EA 120</b> P		∅ 120	∅ 30 / ∅ 40 / ∅ 50 / ∅ 50,8	13 bit	IP 54	3.000 rpm	Push pull / SSI / Line driver	Binary Gray Ico	5 Vdc 8 ... 28 Vdc	0°... +60°C

## MULTITURN ABSOLUTE ASSOLUTI MULTIGIRO

<b>EAM 58</b> B/C/F		∅ 58 ∅ 60	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10 / ∅ 12 / ∅ 14 / ∅ 15	25 bit	IP 66	6.000 rpm	Push pull / SSI / Profibus	Binary Gray	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EAM 63</b> A/D/E/F/G		∅ 64 □ 63,5	∅ 8 / ∅ 9,52 / ∅ 10 / ∅ 12 / ∅ 14 / ∅ 15	25 bit	IP 66	6.000 rpm	Push pull / SSI / Profibus	Binary Gray	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EAM 90</b> A		∅ 90	∅ 8 / ∅ 9,52 / ∅ 10	25 bit	IP 66	6.000 rpm	Push pull / SSI / Profibus	Binary Gray	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EAM 115</b> A		∅ 115	∅ 10 / ∅ 11	25 bit	IP 54	6.000 rpm	Push pull / SSI / Profibus	Binary Gray	5 Vdc 8 ... 28 Vdc 12 ... 28 Vdc	0°... +60°C
<b>EAM 63</b> AX* / DX*		∅ 63,5 □ 63,5	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	25 bit	IP 66	3.000 rpm	Profibus	-	12 ... 28 Vdc	0°... +60°C

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	Code Tipo di codice	Power supply Tensione di alimentazione	Operating temperature Temperatura di funzionamento
EMA - EMS 22 A / AY*		∅ 22	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	13 bit	IP 68	10.000 rpm	SSI / Sin-Cos	Binary	5 Vdc	-40°... +125°C
EMA - EMS 38 F / G		∅ 39,5	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	13 bit	IP 67	6.000 rpm	SSI / Sin-Cos	Binary	5 Vdc 8 ... 28 Vdc	-25°... +100°C
EMA - EMS 40 A		∅ 42	∅ 4 / ∅ 6	13 bit	IP 65	6.000 rpm	SSI / Sin-Cos	Binary	5 Vdc 8 ... 28 Vdc	-25°... +100°C
EMA 50 A / AY* / B / BY*		∅ 50	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	13 bit	IP 67	5.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / SSI	Binary Gray	5 Vdc 8 ... 30 Vdc	-25°... +85°C
EMA 50 F / FY* / G / GY*		∅ 50	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10 / ∅ 12 / ∅ 14 / ∅ 15	13 bit	IP 67	5.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / SSI	Binary Gray	5 Vdc 8 ... 30 Vdc	-25°... +85°C
EMA - EMS 55 A / AY*		∅ 55	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	13 bit	IP 67	10.000 rpm	SSI / Sin-Cos	Binary	5 Vdc 8 ... 28 Vdc	-25°... +100°C
EMA - EMS 63 A / D / AX* / DX*		∅ 63,5 □ 63,5	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	13 bit	IP 66	6.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / SSI	Binary Gray	5 Vdc 8 ... 30 Vdc	-25°... +85°C
EML 38 F / G		∅ 39,5	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	8 bit	IP 67	6.000 rpm	0 ... 5 V / 0 ... 10 V / 0 ... 20 mA / 4 ... 20 mA	-	5 Vdc 12 ... 28 Vdc	-25°... +100°C
EML 50 A / AY* / B / BY*		∅ 50	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10	12 bit	IP 67	5.000 rpm	0 ... 5 V / 0 ... 10 V / 0 ... 20 mA / 4 ... 20 mA	-	5 Vdc 12 ... 28 Vdc	-25°... +85°C
EML 50 F / FY* / G / GY*		∅ 50	∅ 6 / ∅ 8 / ∅ 9,52 / ∅ 10 / ∅ 12 / ∅ 14 / ∅ 15	12 bit	IP 67	5.000 rpm	0 ... 5 V / 0 ... 10 V / 0 ... 20 mA / 4 ... 20 mA	-	5 Vdc 12 ... 28 Vdc	-25°... +85°C

ASSOLUTI MONOGIRO MAGNETICI  
SINGLETURN ABSOLUTE MAGNETIC

EA 40 T / U		∅ 42	∅ 6	4 bit	IP 66	3.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector	Binary	5 Vdc 8 ... 28 Vdc	0°... +60°C
EAX 80 A / D / AX* / DX*		∅ 80 □ 80	∅ 6 / ∅ 8 / ∅ 10	13 bit	IP 65	3.000 rpm	Npn / Npn open collector / Pnp / Pnp open collector / Push pull / SSI	Binary Gray	5 Vdc 8 ... 28 Vdc	0°... +50°C
EAMX 80 A / D / AX* / DX*		∅ 80 □ 80	∅ 6 / ∅ 8 / ∅ 10	13 bit	IP 65	3.000 rpm	SSI	Binary Gray	5 Vdc 8 ... 28 Vdc	0°... +50°C

ASSOLUTI SPECIALI  
SPECIAL ABSOLUTE

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



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