elap REV

INCREMENTAL ENCODERS UP TO 36000 PPR

- High resolution
- 1000 to 36000 pulses/revolution
- Different mechanical versions available
- Metal case
- Glass disc
- Strong, accurate, reliable

MECHANICAL VERSIONS

Series REV520:	Series REV510	Series REV540
Ø 58 mm round flange Servo coupling Ø 50 mm centering mask Shaft Ø 6, 8, 9.52 or 10 mm	Ø 58 mm round flange Servo coupling Ø 31.75 mm centering mask Shaft Ø 6, 8, 9.52 or 10 mm	Ø 58 mm round flange Servo coupling Ø 36 mm centering mask 3 M4 holes 120° on Ø 48 mm
Series REV530	**Series REV620:**	
Flange type RE0444 Shaft Ø 11 mm Aluminium case	63.5x63.5 square flange Ø 31.75 mm centering mask Shaft Ø 6, 8, 9,52 or 10 mm	

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

TYPE	REV520/REV510/REV540	REV620	REV530
• *Weight*	500 g ca.		
• *Materials: case* *shaft*	aluminium stainless steel		
• *Shaft diameter*	6, 8, 9.52 or 10 mm		11 mm
• *Revolutions/minute*	6000		
• *Starting torque*	≤0.8 Ncm		
• *Inertia*	≤ 25 g cm^2		
• *Max. load*	80 N axial / 1000 N radial		
• *Shock resistance (11 ms)*	50 G		
• *Vibrations resistance (10÷2000 Hz)*	100 m/sec^2		
• *Protection degree*	IP64, optional IP65 (version K)		
• *Operating temperature*	-30 ÷ +70°C		
• *Stocking temperature*	-30 ÷ +85°C		

ELECTRICAL & OPERATING SPECIFICATIONS

• *Pulse code*	Incremental
• *Pulses/revolution number*	1000 to 36000
• *Zero pulse*	one pulse each revolution
• *Output code*	Two square waves 90° ±15° out of phase – Zero pulse width: 90°±15°
• *Electronic Output*	push-pull, 5Vdc or 8/24Vdc line driver signals protected against short circuits
• *Supply voltage*	5Vdc or 8/24Vdc - protection against polarity reversa
• *Power consumption*	50/70 mA max
• *Max frequency*	200 KHz
• *Connections outlet*	Axial or radial connector equipped with flying part Axial or radial cable - length 3 m (1 m for line driver output)

elap AUTOMATICA

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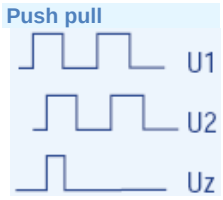
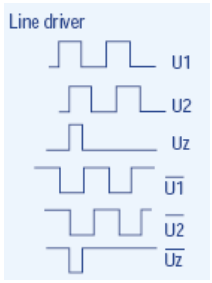
ELECTRONICS



Supply voltage
8 ÷ 24 Vdc
5 Vdc ±5%

Signal 2 lags signal 1 with anticlockwise rotation (shaft sight)



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CONNECTIONS

SIGNALS	Push Pull 7-Pin Connector SCHEME 1	Push Pull 7-Pin Connector SCHEME 2	Push Pull Cable Colours	Line Driver 7-Pin Connector SCHEME 3 without 0 pulse	Line Driver 10-Pin Connector SCHEME 4 with 0 pulse	Line Driver Cable Colours
Out 1	A	C	White	A	A	White
Out 2	B	E	Green	B	B	Green
Out Z	C	D	Brown		C	Grey
+ Vdc	D	F	Red	D	D	Red
0V	F	A	Blue		E	Red
Non connected	E	B		F	F	Blue
Non connected	G	G		C	G	Brown
Earth			Shield	E	H	Yellow
					I	Pink
				G	J	
						Shield

ORDERING INFORMATION

REV520	C	1000	8/24	R	8	PP

OUTPUT SIGNALS
PP push pull
LD 8/24Vdc line driver
LD5 5Vdc line driver

SHAFT DIAMETER
Shaft 6 – 8 – 9.52 – 10 mm -11 mm (REV530)

CONNECTIONS OUTLET
A axial /R radial
7-pin connector /cable

SUPPLY VOLTAGE
8/24 Vdc
5 Vdc

PULSES/REVOLUTION
10000 - 36000

Valriations admitted without notice

MECHANICAL PECULIARITIES *(Optional field)*
- = Standard version
C = Cable outlet
K = Sealing O-ring

TYPE
REV520 – REV540 – REV510 – REV530 Round flange
REV620 Square flange

REV
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