

C€ TYPE 2RMHF

24 mm diamater - up to 7500 pulses/turn up to 30000 counts



Also as Absolute SSI - Section 14 page 1 to 2

CLIADA	OTED	ICT	00
CHARA	(CIEK	4671	C.S

ENCODER TYPE Hollow shaft encoder (blind end)

SMD - TECHNOLOGY Strong compact electronics

HIGH IP-RATING Std. IP 64 (option; Ribbon cable + IDC connector = IP50)

LOW CURRENT CONSUMPTION To be connected directly to

PLC'S and counters

SHORT CIRCUIT PROTECTION Thermal shut down at 155°C

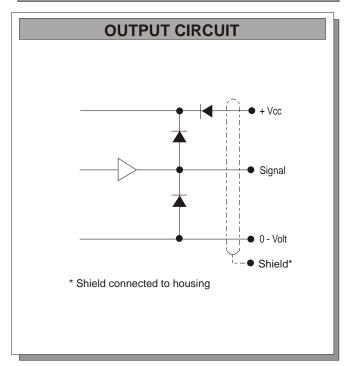
WIDE SUPPLY RANGE Min. 4,5V to max 30V

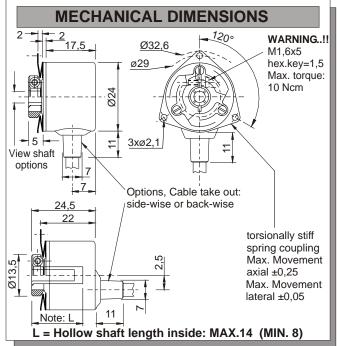
Based on 2 precision ball bearings, for industrial STRONG CONSTRUCTION

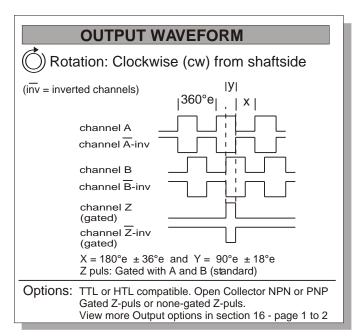
environments

ELECTRIC	SAL SPECIFICATIONS	
	At +25°C	
Output	Totempole	
Output waveform	Incremental (A, B)	
Zero or index pulse	(Z) one pr./rev.	
Supply-voltage (Vin)	Min 4,5V to Max. 30V *	
	Reverse polarity protection	
Current (no load)	35mA	
Max. load pr. output	20mA (Short circuit protected)*	
V out low	Max. 500 mV @ I = 10 mA	
Operating temp.	-40°C to +85° C	
Storage temp.	-40° C to +85°C	
Max. pulse frequency	200 kHz *	
V out high	Min. (Vin -0,6) @ I = -10mA	
	Min. (Vin -1,3) @ I = -25mA	
Cable data	5(0,14 mm²)or 8-leads(0,05mm²) shielded	
Output signals	Standard, Inverted	
	Differential (RS-422A compatible)	
Certified acc. to	EN 50081-1 and EN 50082-2	
	* It is not recommended to	
	combine max value for all 3 parameters	

MECHANIC	AL SPECIFICATIONS
Weight	About 35 g (+cable = 0,040 Kg/meter)
Materials: Housing	Electroplated steel and brass
Shaft	Brass
Bearings	Lifetime lubricated ball-bearings
Fix. clamp	Brass
HShaft dimensions	View Ordering Code, next page
HShaft loads	Axial max. 20 N
	Radial max. 20 N
Max. rev.	12,000 rev./min.
IP-rating	IP 64
Start torque	<0,005 Nm at 25°C
Mass moment of inertia	1,0 gcm ²
Max. shock	100 G/11 ms.
Bump	10 G - 16 ms (1000 x 3axis)
Vibration	(10 - 2000 Hz)/10 G



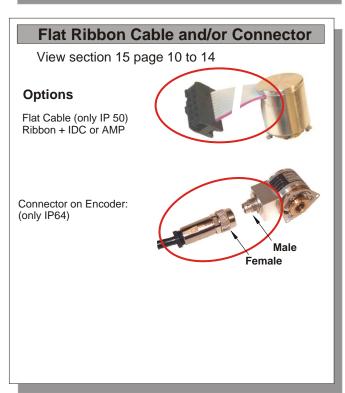


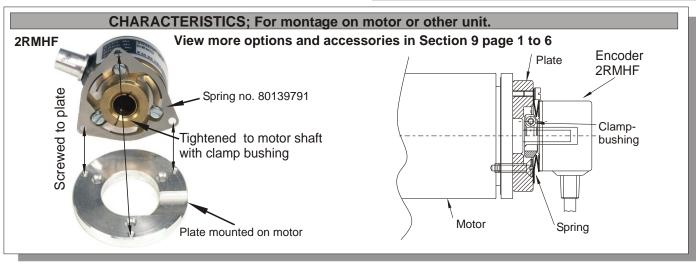


CONNECTIONS			
Color code	Standard	Color code	Differential
Green	Ch A	Pink	Ch A
Yellow	Ch B	Grey	Ch A inv
Grey	Ch Z	Green	Ch B
Brown	Vcc	Yellow	Ch B inv
White	0-Volt	White	Ch Z
		Brown	Ch Z inv
		Red	Vcc
		Blue	0-Volt
		'	

		PU	ILSES/R	EV.	
4	30	100	250	600	2048
10	36	125	256	1000	2500
11	50	128	300	1024	3000
12	60	150	360	1250	3600
15	75	180	400	2000	5000
25	90	200	500	2500	7500

	Options	Order code
Pulses pr.rev.:	No. of pulses	XXXX
Output signal:	Normal (TP-Standard) 3 channel = A, B, Z	N
	TP-Differential, 6 char A, B, Z and A-inv, B-ir	
Hollow Shaft Dimensions: (Tolerance G7)	ø3 mm ø4 mm ø5 mm ø6 mm ø1/4"	03 04 05 06 1/4
IP-rating:	IP 64	64
Round Cable Length of cable:	Standard 1 meter No. of meters	01 XX
Round Cable take out:	Side Back	S B
Cable and connector options:	View section	n 15 page 10 to 14





Length of

round cable take out

6 4

rating

Pulses

Output

signal

Hollow

2RMHF

Cable