Technical characteristics

Output Power supply Resolution Max. admissible velocity Max. continuous velocity Material

Protection class Connections

Weight Operating temperature Storage temperature Push-Pull, RS422 compatible 4.75 ... 32 Vdc 1 to 100 000 PPR 6000 turns/min 6000 turns/min Body and cover - Aluminum (RohS) Shaft - stainless steel IP65 (IP67 optional) M23 – 12 pins CW M12 – 8 pins (A coding) PVC cable 8 wires (standard length 2m) approx. 300 g -20°C ... +100°C



Ordering reference

		DD58C_14	- P	PCA	- 00	1024	_	AR1	 A00	
Model										
CIOD58C										
Bore diam	= Hollow shaft Ø6 mm									
08	= Hollow shaft Ø8 mm									
10	= Hollow shaft Ø10 mm									
12	= Hollow shaft Ø12 mm									
14	= Hollow shaft Ø14 mm									
15	= Hollow shaft Ø15 mm									
Other : ple	ease consult us									
Output sig	nals									
PP	= Push-Pull output - RS422 compatible									
Supply										
C	= 4.75 to 32Vdc			1						
Channel o	otions									
A	= A, B, O, /A, /B, /O (A & B gated) (stand	ard)								
Other : ple	ase consult us									
Resolution	I. Contraction of the second									
1 to 100 0	DO PPR									
Connectio	ns									
A	= M23 – 12 pins CW									
F	= M12 – 8 pins (A coding)									
G	= PVC cable 8 wires									
Other conne	ection on demand									
Orientatio	n									
R	= Radial									
Connectio	connection type									
1 Other: pleas	= Standard (please refer to the connect	ions table)								
Cable leng	th (for G connection)									
/xx	= for example /03 for 3m long cable									
Mechanica	al options									
A	= None									
в	= IP67 protection									
Electronica										



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Electrical characteristics

PPCA electronics

Output stage: Push-Pull – compatible RS422					
Power supply: 4.75 32Vdc					
Consumption without load:					
at 5Vdc	= 300 mA				
at 12Vdc	= 80 mA				
at 24Vdc	= 30 mA				
at 32Vdc	= 25 mA				
Protected against over-voltage, polarity inversion					
and overcurrent					



Output signals

0 calibrated on A & B (standard)



Signals tolerance



Connections type 1

Connector 1					
Standard connection	M23 - 12 pins CW	M12 - 8 pins	Cable 8 wires		
Power supply -	1	1	White		
Power supply +	2	2	Brown		
Channel A	3	3	Green		
Channel B	4	4	Yellow		
Channel 0	5	5	Grey		
Channel A/	6	6	Pink		
Channel B/	7	7	Blue		
Channel 0/	8	8	Red		
NC	9-10-11-12	/	/		





B channel (rising edge) before A in CW direction, view on axis.

Period: electrical 360° Duty cycle: 180° ± 10% Phase shift: 90° ± 25% Starting time: less than 100ms

Connector 2				
Standard connection	M23 - 12 pins CW	M12 - 8 pins	Cable 8 wires	
Power supply -	1	1	White	
Power supply +	NC	NC	NC	
Channel A	3	3	Green	
Channel B	4	4	Yellow	
Channel 0	5	5	Grey	
Channel A/	6	6	Pink	
Channel B/	7	7	Blue	
Channel 0/	8	8	Red	
NC	9-10-11-12	/	/	
		45		





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Reference	Bore diameter (A)	Bore depth		
CIOD58_T06	Ø6 H7	30		
CIOD58_T08	Ø8 H7	30		
CIOD58_T10	Ø10 H7	30		
CIOD58_T12	Ø12 H7	30		
CIOD58_T14	Ø14 H7	30		
CIOD58_T15	Ø15 H7	30		



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