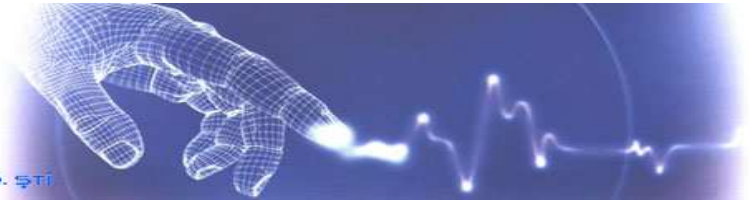




İMAJ TEKNİK

ELEKTRİK ELEKTRONİK MALZ. SAN. VE TİC. LTD. ŞTİ



hohner

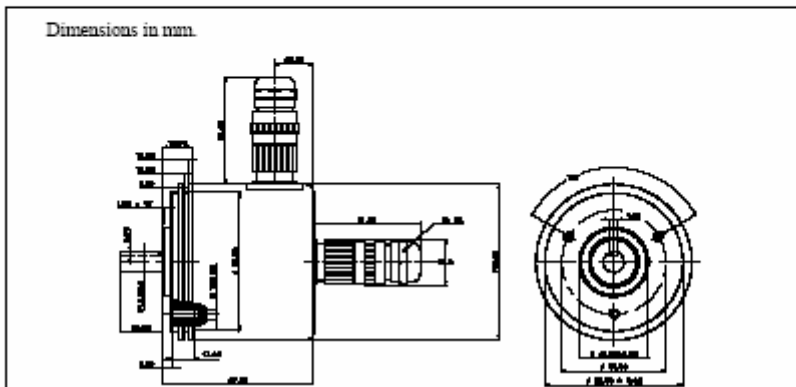
HOHNER AUTOMAZIONE SRL

Serial Encoder Synchronous / Asynchronous & Field Bus
Absolute multi turn programmable at 24 Bit ø90mm

Series STM	<i>Serial Synchronous (SSI)</i>
Series ATM	<i>Serial Asynchronous</i>
Series LTM	<i>Interbus-S</i>
Series ITM	<i>Profibus</i>
Series PTM	<i>Profibus</i>
Series CTM	<i>Canbus</i>

Mechanics Data

Cover:	Lacquered aluminium
Body:	Aluminium
Solid shaft:	Stainless steel
Bearings:	2, ballraces
Weight:	Approx. 800gr.
Protection:	IP65
Rpm:	3000 Max
Torque:	5Ncm
Inertia:	270gcm ²
Shaft loading:	Axial 50N - Radial 50N (max value)

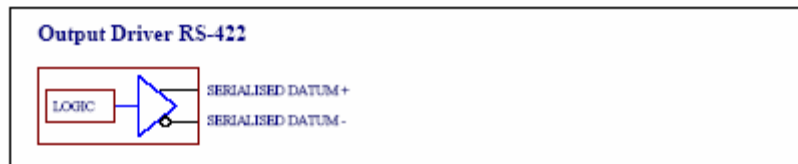


Absolute serial synchrony encoder SSI

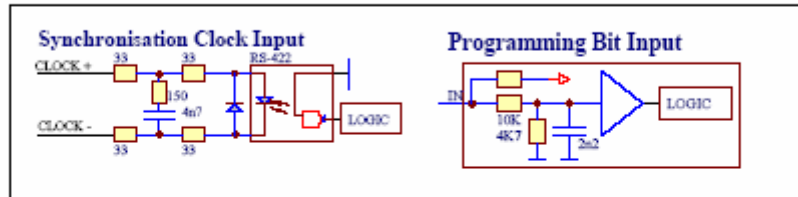
Electronics Data

Resolution: Single turn 12 Bit
 Multiturn 24 bit (12 Bit single turn - 12 bit multiturn)
 Power supply: 11-24V +/- 5%
 Current consumption: Single turn 3Watt max.
 Multiturn 6 Watt max.
 Input: Opto-coupler balanced in RS422 (Clock)
 Synchronism frequency: 80KHz-1MHz
 Outputs: Differential in RS422
 Programmable Code: Gray/Binary
 Programming: Line in RS232
 Operating Temp.: 0/60°C

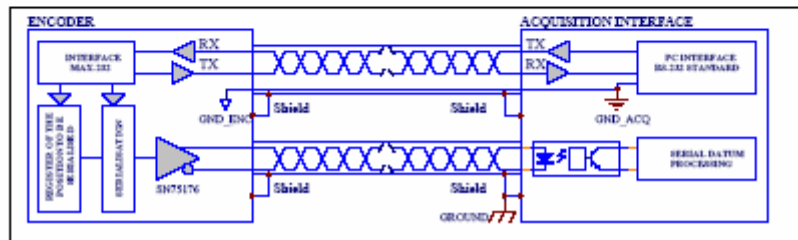
Output circuits



Input circuits



Data transmission



Ordering code

*	*	*	-	*	*	*	*	*	/	*	/	*
Series			Shaft		Flanges	Output	Connections	Options	Pulses/Turn			
Ø58mm SS = Singleturn SSM = Multiturn			Ø58mm 3=Ø 6mm L10mm 6=Ø 8mm L20mm 1=Ø10mm L20mm		Ø58mm 1=See 3= page 6= draw	1=RS422 RS485	1=Ø416 Axial 2=Ø416 Rad. 9= Axial cable 3= Radial cable	0=None				
Ø65mm SMS = Singleturn SMM = Multiturn			Ø65mm 3=Ø 6mm 10mm(SMS) 6=Ø 8mm L20mm (SMS) 1=Ø10mm L20mm		Ø65mm 3=Ø 65mm							
Ø90mm STS = Singleturn STM = Multiturn			Ø90mm 1=Ø 10mm L25mm 2=Ø 12mm L25mm		Ø90mm 3=Ø 90mm							

CABLE		Contact 12P IP65		Connections	
Pink	1	CLOCK +		Clock +	
Pink/Gray	2	CLOCK -		Complementary clock +	
Brown	3	DATA S. +		Data +	
Brown/Gray	4	DATA S. -		Complementary Data +	
Blue	5	PROG_TX		Programming Input	
Blue/red	6	PROG_RX		Programming Input	
Beige	7	BIN/GRAY		Binary and Gray (active low)	
Violet	8	UP/DOWN		Up/Down (active low)	
Yellow/White	9	PSET 1	RESET	1 Preset (active low)	Reset
Yellow/Brown	10	PSET 2		2 Preset (active low)	
Red	11	POWER +		Power + (11-24V)	
Black	12	POWER -		Power - (0V)	

In configuration standard, the encoder is: 12 Bit (singleturn) or 24 Bit (multiturn) of resolution. Parity inactive, increase clockwise and Binary code.
The programming encoder parameter, effect in RS232 with a module for PC supply in equipment.

Absolute serial asynchronous encoder

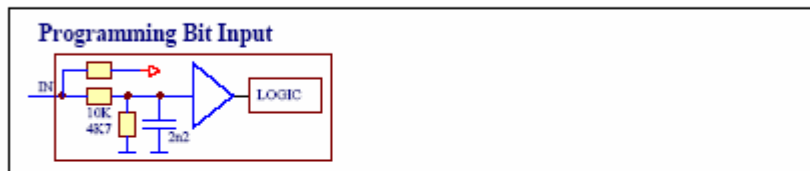
Electronics Data

Resolution: Single turn 12 Bit
 Multiturn 24 bit (12 Bit single turn - 12 bit multiturn)
 Power supply: 11-24V +/- 5%
 Current consumption: Single turn 3Watt max.
 Multiturn 6 Watt max.
 Baud rate : 300 to 115.200 baud
 Outputs: Differential in RS422,RS232 standard
 Programmable Code: Gray/Binary/BCD/ASCII
 Programming: Line in RS232
 Operating Temp.: 0/60°C

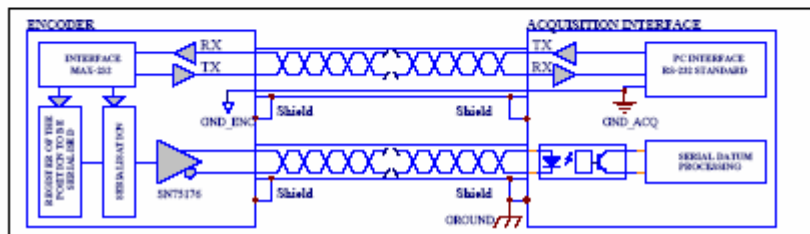
Output circuits



Input circuits



Data transmission



Ordering code

*	*	*	-	*	*	*	*	*	/	*	/	*
Series			Shaft		Flange	Output	Connections	Options	Pulses/Turn			
Ø58mm ASI = Singleturn ASM = Multiturn			Ø58mm 3=Ø 6mm L10mm 6=Ø 8mm L20mm 1=Ø10mm L20mm		Ø58mm 1=See 3= page 6= draw	1=R5422- R5485/ R5232	1=Ø416 Axial 2=Ø416 Rad 9=Cable axial 3=Cable rad.	0=None				
Ø65mm AMS = Singleturn AMM = Multiturn			Ø65mm 3=Ø 6mm L10mm(AMS) 6=Ø 8mm L20mm (AMS) 1=Ø10mm L20mm		Ø65mm 3=Ø 65mm							
Ø90mm ATS = Singleturn ATM = Multiturn			Ø90mm 1=Ø 10mm L25mm 2=Ø 12mm L25mm		Ø90mm 3=Ø 90mm							

CABLE		Contact 12P IP65		Connections	
Pink	1				
Pink/Gray	2				
Brown	3	DATA A. +		Data +	
Brown/Gray	4	DATA A. -		Complementary Data +	
Blue	5	PROG_TX		Programming Input	
Blue/red	6	PROG_RX		Programming Input	
Beige	7				
Violet	8	UP/DOWN		Up/Down (active low)	
Yellow/White	9	RESET		Reset	
Yellow/Brown	10				
Red	11	POWER +		Power + (11-24V)	
Black	12	POWER -		Power - (0V)	

In configuration standard, the encoder is: 12 Bit (singleturn) or 24 Bit (multiturn) of resolution, Parity inactive, increase clockwise and Binary code.
The programming encoder parameter, effect in R5232 with a module for PC supply in equipment.

İmaj Teknik Elektrik Elektronik San. ve Tic. Ltd. Şti.

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