

PH 05

Due to its size, this incremental shaft encoder meets the highest of mechanical demands. It is used wherever high mechanical stresses are likely.



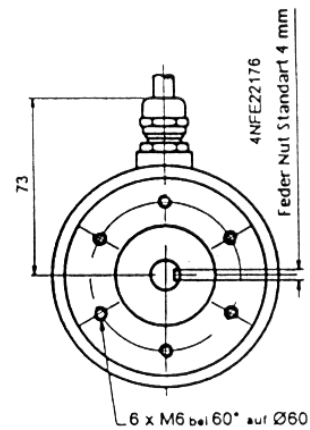
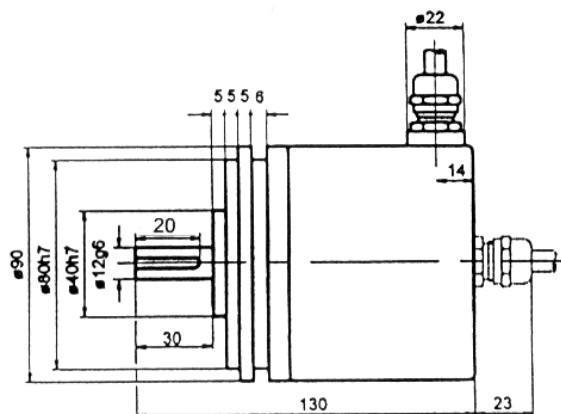
Electrical Specifications:

Max.pulse.frequency:	100 kHz
Permissible.temp.range:	-20 ⁰+60 ⁰ C
Power supply:	1 1V24V DC +20%
Max.current.consumption:	>80mA(without.load)
Max.:fan-out	30mA per channel
Supply voltage:	5V DC ±5%
Max.curren.consumption:	≤ 80 mA
	≤ 150mA bei Line Driver
Residual.ripple:	max. ± 5% von U _B

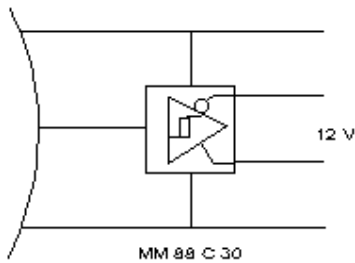
Mechanical Specifications:

Flange:	Aluminium
Enclosure:	Sheet steel , powder coated
Shaft:	Stainless.steel
.....Shaft.seal:	Oil/Saltwater-resistant
...Bearing:	Deep.groove.ball,bearing
Weight:	ca. 1,2 kg
Protection:	IP 65
Max.speed:	6000 U/min.
Max. shaft load :	axial 30 N radial 50 N
Torque:	ca. 5 Ncm

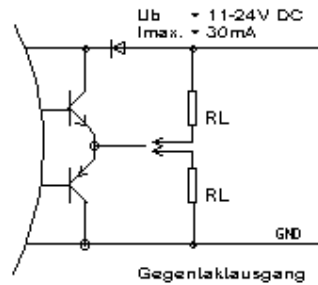
Mechanical Dimensions:



Output Circuits:

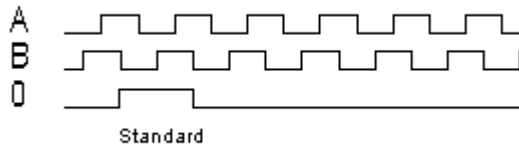


Output 3



Output 5

Signal Outputs:



Zwei um 90° el versetzte Rechteckimpulsfolgen, with channel A lagging in clockwise rotation

Reference pulse 0 once per revolution.

Random in position and length

Pin Configuration:

Pin	1	2	3	4	5	6	7	8	9	10	11	12
Color	white	brown	green	yellow	grey	pink	blue	red				
Funktion	GND	+UB	A	B	0	AN	BN	0N	----	----	----	----

Order No:

PH 05 [] [] [] [] - [] Impulszahl

Output circuit
3 = 88 C 30
5 = Push Pull

Art/Typ of connection
3R = Cable radial (length 2m)
3A = Cable axial (length 2m)
6R = Connector 12pol. radial
6A = Connector 12pol. axial

Output
5 = A + AN
6 = A + AN + 0 + 0N
7 = A + AN + B + BN
9 = A + AN + B + BN + 0 + 0N

Art of revolution
9 = 1 bis 1000 Impulse
0 = 1001 bis 2500 Impulse
3 = 2501 bis 3600 Impulse