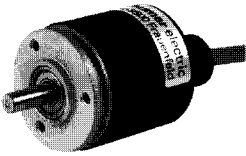


- Miniature shaft encoder with extended pulse range
- Axial or lateral cable connection or lateral connector



mechanical data			
	max. revolutions	12'000 min	
	rotor inertia	typ. 0,65 x 10 ⁻⁷ kgm ²	
	torque	typ. 0,14 cNm	(3000 rev/min 20 °C)
	max. shaft load	axial: 10 N	radial: 10 N (at shaft end)
	max. protection class	shaft: IP 64	housing: IP 65
	material	housing: polyamid	flange: aluminum
	weight	approx. 85 gr.	
electrical data		complementary and push-pull version, short circuit protection	
	max. measuring step	8192 steps at 2048 pulses	
	pulse tolerance	±15%	
	switching frequency f _{max}	50 kHz (512...2048 pulses 100 kHz)	
	voltage supply	5 V ±10%, 10 - 30 VDC	
options		complementary and pulse ranges see page 11, electrical connection see page 12	
	pulse range	5 up to 2048 PPR (range 3 extended)	
	output sequence	CH _A , CH _B , CH _N , (seq. complementary 6)	
	temperature range	reference 0 : 0...+65 °C, reference 1 : -20...+85 °C (at 05A)	
	circuit options	complementary, reference 05A , push-pull, short circuit protection, reference 24K	
	shaft ø 5 mm	reference -5 , IP 64 reference -L5	
	el. connection cable	with PG-gland axial reference -4 , with PG-gland radial reference -5	
	el. connector	radial reference -9	
	accessories	servo clamp 106004	
preferential type		complementary 05A (5 V ±10%)	push-pull short circuit prot. 24K (10 - 30 VDC)
	cable axial -4	BDK 06.05A...-5-4	BDK 06.24K...-5-4
	connector radial -9	BDK 06.05A...-5-9	BDK 06.24K...-5-9

pulse range
range 3

5, 8, 10, 12,
15, 20, 25, 30,
32, 40, 50, 60,
64, 90, 100,
110, 120, 125,
180, 200, 250,
256, 360, 400,
500, 512, 720,
1000, 1024

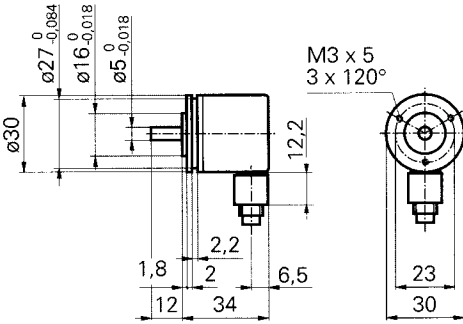
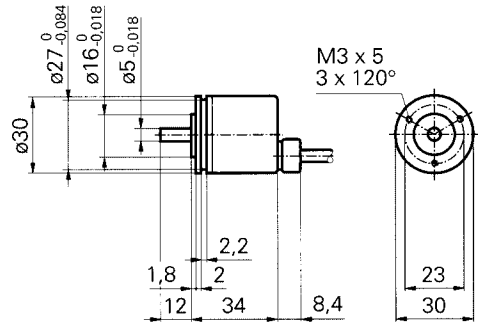
range 3
extended

1250, 1440,
1500, 1800,
2000, 2048

dimensions

connection option **-4**
cable axial

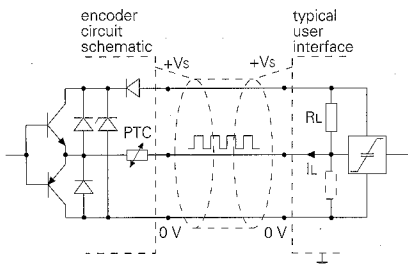
connection option **-9**
connector radial



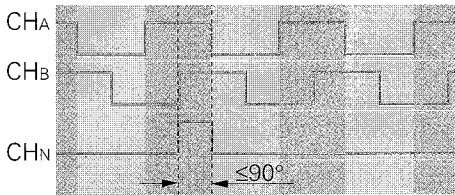
Circuit options and pulse sequences

Incremental encoders

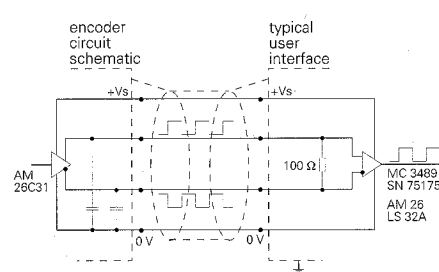
Push-pull short circuit protection 24K



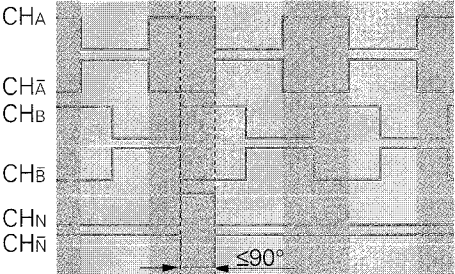
Pulse sequence push-pull 6



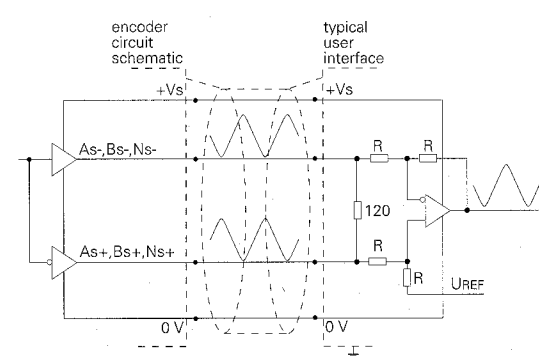
Complementary 05A



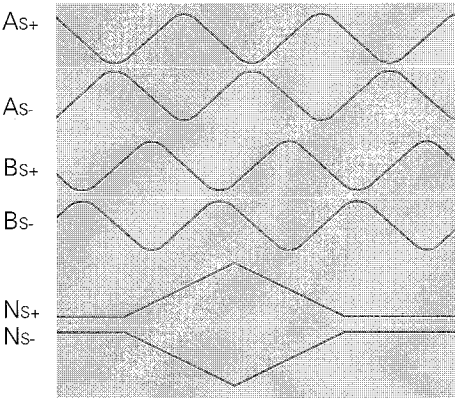
Pulse sequence complementary 6



Sine output 05S



Pulse sequence sine 8



Part number key

