

Feature	Order text	Technical data	Additional information
Output signals		slide bearing	ball bearing
	AXX	500	1024
	ABX	250	500
	AB0	220	250
	ABI	220	250
		max. pulses/revolution	
		max. pulses/revolution	
		max. pulses/revolution	
		max. pulses/revolution	
Pulses/revolution	...	2, 3, 5, 6, 8, 10 , 14, 15, 16, 17, 20, 24, 25 ,	
		28, 30, 35, 36, 40, 43, 44, 47, 48, 50 , 60,	
		70, 75, 79, 80, 84, 85, 86, 90, 91, 93, 96,	
		100 , 115, 117, 120, 123, 125 , 127, 132,	
		140, 150, 153, 156, 157, 158, 160, 180,	
		197, 199, 200 , 202, 212, 220, 226, 250 ,	
		265, 300, 360 , 377, 381, 500 , 600, 1000 ,	
		1024	
		others on request	
Connection type	E1	stripped cable ends	
	E6X	coupling at end of cable	
	E6	coupling in cable with stripped cable ends	
Cable length L [m]	2.0	0.3 ... 10.0, max. 25	from 0.3 ... 10.0 in 0.1 steps
Cable length L2 [m] (only for E6)	2.0	0.3 ... 10.0	from 0.3 ... 10.0 in 0.1 steps
Mounting type	M1		
	M2		with flange
Output circuit	PP	push-pull	
	OC	open collector (NPN) current-sinking	
Solid shaft diam. [mm]	8		
	6		
Shaft design	W01	slide bearing/clamping screw	
Mechanical data			
Max. speed		12000 min ⁻¹	
Rotor moment of inertia		8.4 x 10 ⁻⁶ kgm ² at W01	
Load capacity of shaft		radial 20N, axial 10N (W01)	
Weight		approx. 0.12 kg	
Type of protection		IP 54	
Operating temperature		0 °C ... +60 °C	
Shaft		burnished steel	
Cable sheath		PVC	
Shock resistance		400 g/6 ms	according to DIN-IEC 68-2-27
Vibration resistance		10 g/50 Hz	according to DIN-IEC 68-2-6
Electrical data			
		PP	OC (NPN)
Phase position		90 ° ± 30 °	90 ° ± 30 °
Operating voltage		10 ... 30 V DC	10 ... 30 V DC
Power cons. without load (typ.)		50 mA	50 mA
Permitted load/channel (max.)		40 mA*	50 mA
Pulse frequency (max.)		25 kHz	25 kHz
Signal level high (min.)		UB - 2 V (20 mA)	**
Signal level low (max.)		1 V (20 mA)	0.1 V
Polarity protection on UB		yes	yes
Other data			
Housing		plastic reinforced	
Test mark		CE	

* short-circuit proof, ** wiring-dependent

Your order data: - - - - - - - - -