

Feature	Order text	Technical data	Additional information	
Pulses/revolution	...	A	15, 50, 60, 90, 100, 180, 200, 250, 300,	
			314, 360, 400, 500, 600, 625, 635, 720,	
			900, 1000, 1024, 1080, 1200, 1250, 1500,	
			1600, 2000, 2500, 3600	
Connection type	E1	B	stripped cable ends	
Position of electrical connection	A R	C	axial	
			radial	
Cable length L [m]	2.0	D	1.0, 2.0, 3.0, 5.0, 8.0, 10.0	
Output circuit	OP LD LD24	E	push-pull with additional inverted signals	
			RS422, 5 V DC operating voltage	
			RS422, 24 V DC operating voltage	
Shaft diam. x length [mm]	4 x 10 6 x 10	F	d x l	
Mechanical data				
Speed			max. 12000 min ⁻¹	
Rotor moment of inertia			approx. 0.27 x 10 ⁻⁶ kgm ²	
Starting torque			< 0.007 Nm	
Load capacity of shaft			radial 10N, axial 5N	
Weight			approx. 0.1 kg	
Type of protection			IP 65	according to EN 60 529
Working temperature			0 °C ... +70 °C	
Shaft			stainless steel	
Cable sheath			PVC	
Shock resistance			1000 m/s ² , 6 ms	according to DIN-IEC 68-2-7
Vibration resistance			100 m/s ² , 10 ... 2000 Hz	according to DIN-IEC 68-2-6
Electrical data				
		OP	LD	LD24
Output signals		AB0	AB0	AB0
Operating voltage		10 ... 30 V DC	5 V DC ±5%	10 ... 30 V DC
Power cons. without load (typ.)		80 mA	70 mA	70 mA
with inverting (max.)		150 mA	100 mA	100 mA
Permitted load/channel (max.)		± 30 mA	± 10 mA	± 10 mA
Pulse frequency (max.)		100 kHz	125 kHz	125 kHz
Signal level high (min.)		UB - 3 V	2.5 V	2.5 V
Signal level low (max.)		2.5 V	0.5 V	0.5 V
Rise time t _r (max.)		1 µs	200 ns	200 ns
Fall time t _f (max.)		1 µs	200 ns	200 ns
Short-circuit proof outputs		no	yes, only 1 channel *	yes, only 1 channel **
Other data				
Test mark		CE		

* Short circuit towards other channels, 0V or +UB permitted
 ** Short circuit towards other channels, or 0V permitted

Your order data: - - - - - -