



Up to 5000 ppr. - True lines. Up to 20000 Counts



(0,787") Ø20

ELECTRICAL SPECIFICATIONS

	At +25°C
Output	Totempole
Output waveform	Incremental (A, B)
Zero or index pulse	(Z) one pr./rev.
Supply-voltage	5 to 12 V (on request up to 24 Volts)
Current (no load)	35mA
Max. load pr. output	20mA (Short circuit protected)
V out low	Max. 500 mV @ I = 10 mA
Operating temp.	-20°C to +70° C
Storage temp.	-20° C to +85°C
Max. pulse frequency	200 kHz
V out high	Min. (Vin -0,6) @ I = -10mA Min. (Vin -1,3) @ I = -25mA
Cable data	8-leads (0,05 mm ²) shielded or 10-leads flat band cable (0,14mm ²)
Output signals	Differential (RS-422A compatible)
Certified acc. to	EN 50081-1 and EN 50082-2

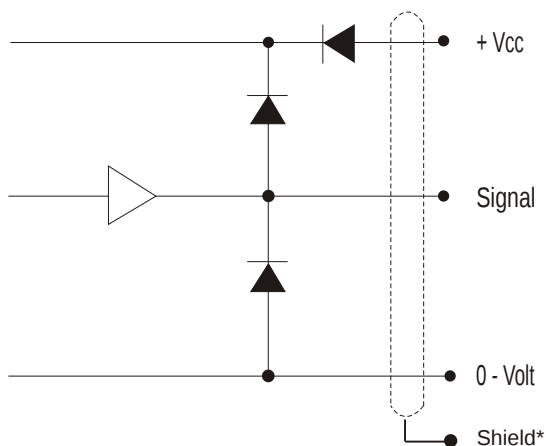
CHARACTERISTICS

ENCODER TYPE	Micro shaft encoder
SMD - TECHNOLOGY	Strong compact electronics
IP-RATING	Std. IP 64 (with IDC; IP 50)
LOW CURRENT CONSUMPTION	To be connected directly to PLC'S and counters
SHORT CIRCUIT PROTECTION	Thermal shut down at 155°C
SUPPLY RANGE	5 volts to 12 Volts $\pm 10\%$ (TTL) (on request up to 24 Volts)
MEC. CONSTRUCTION	Based on 2 precision ball bearings for industrial environment

MECHANICAL SPECIFICATIONS

Weight, excl. Cable	About 19 g
Materials: Housing	Brass / Aluminum
Shaft	Brass or Stainless Steel
Bearings	Lifetime lubricated ball-bearings
Shaft dimensions	1/8" (Ø3,17mm) x 9mm
Shaft loads	Axial max. 10 N Radial max. 10 N
Max. rev.	12.000 rev./min.
IP-rating	IP 64 (with IDC; IP 50)
Start torque	<0,005 Nm at 25°C
Mass moment of inertia	0,2 gcm ²
Max. shock	100 G/11 ms.
Bump	10 G - 16 ms (1000 x 3axis)
Vibration	(10 - 2000 Hz)/10 G

OUTPUT CIRCUIT



* Shield connected to housing

MECHANICAL DIMENSIONS

