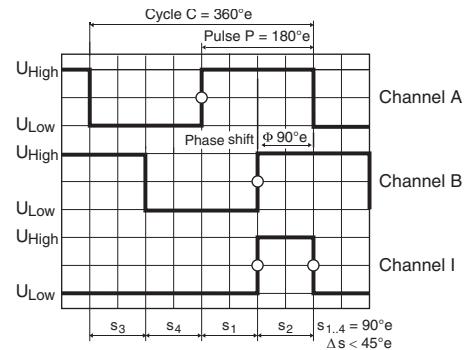


Encoder MILE 64 Counts per turn, 3 Channels, with Line Driver



- Stock program
- Standard program
- Special program (on request)

Type

Counts per turn	64
Number of channels	3
Max. operating frequency (kHz)	107
Max. speed (rpm)	100 000



Part Numbers

361545

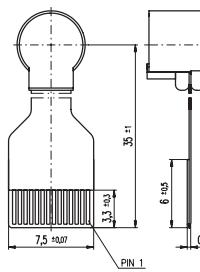
maxon Modular System

+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / ● see Gearhead
EC 6, 1.2 W	162					21.7
EC 6, 1.2 W	162	GP 6, 0.002-0.03 Nm	230			●

Technical Data

Supply voltage V_{CC}	$5 \text{ V} \pm 10\%$
Output signal	CMOS and TTL compatible
Phase shift ϕ	$90^\circ e \pm 45^\circ e$
Signal rise time (typically, at $C_L = 25 \text{ pF}$, $R_L = 1 \text{ k}\Omega$, 25°C)	10 ns
Signal fall time (typically, at $C_L = 25 \text{ pF}$, $R_L = 1 \text{ k}\Omega$, 25°C)	10 ns
Index pulse width (nominal)	$90^\circ e$
Operating temperature range	-20...+100°C
Moment of inertia of code wheel	$\leq 0.006 \text{ gcm}^2$
Output current per channel	max. 4 mA

Pin Allocation

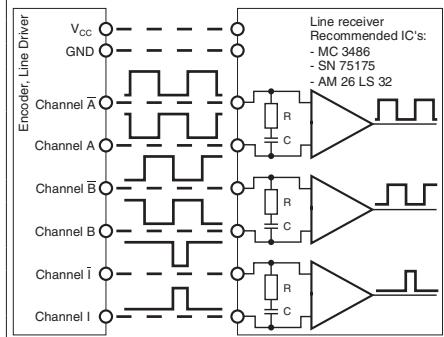


Note: Pull-down resistors on the encoder outputs are not permitted. Pull-up resistors are permitted, but not required.

Compatible connector: Molex 0527451497 / Tyco 1-1734839-4
Adapter print EC 6 MILE encoder to terminal strip and DIN 41651
adapter order no. 397973

Pitch 0.5 mm, top contact style.

Connection example



Terminal resistance R = typical 120 Ω
Capacitor C ≥ 0.1 nF per m line length

The index signal I is synchronised with channel A or B.