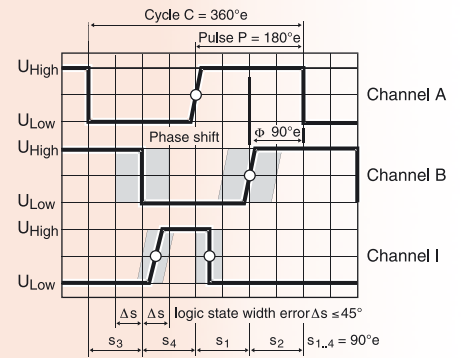
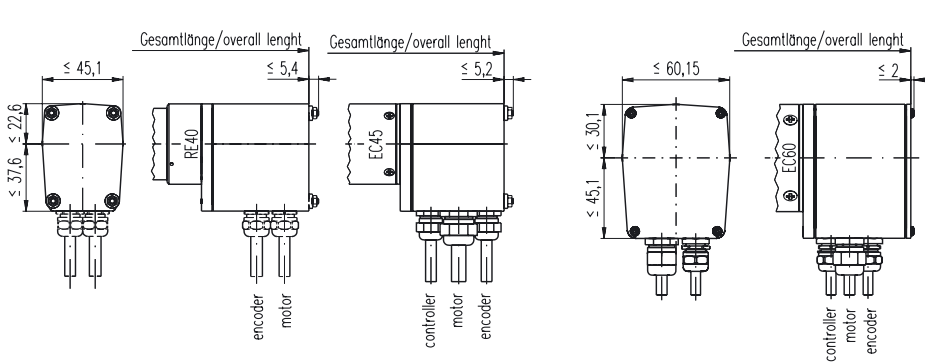


Encoder HEDL 9140, 500 Counts per turn, 3 Channels, with Line Driver RS 422



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

Order Number

137959

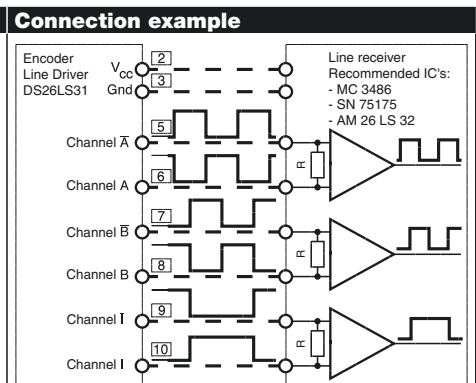
Type	
Counts per turn	500
Number of channels	3
Max. operating frequency (kHz)	100



Combination						
+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see: + Gearhead
RE 40, 150 W	83					125.1
RE 40, 150 W	83	GP 42, 3 - 15 Nm	224			•
RE 40, 150 W	83	GP 52, 4 - 30 Nm	227			•
RE 40, 150 W	83			AB 28	280	135.6
RE 40, 150 W	83	GP 42, 3 - 15 Nm	224	AB 28	280	•
RE 40, 150 W	83	GP 52, 4 - 30 Nm	227	AB 28	280	•
EC 45, 150 W	161					126.8
EC 45, 150 W	161	GP 42, 3 - 15 Nm	224			•
EC 45, 150 W	161	GP 52, 4 - 30 Nm	227			•
EC 45, 150 W	161			AB 28	280	135.6
EC 45, 150 W	161	GP 42, 3 - 15 Nm	224	AB 28	280	•
EC 45, 150 W	161	GP 52, 4 - 30 Nm	227	AB 28	280	•
EC 45, 250 W	162					159.6
EC 45, 250 W	162	GP 42, 3 - 15 Nm	225			•
EC 45, 250 W	162	GP 52, 4 - 30 Nm	227			•
EC 45, 250 W	162	GP 62, 8 - 50 Nm	229			•
EC 45, 250 W	162			AB 28	280	168.4
EC 45, 250 W	162	GP 42, 3 - 15 Nm	225	AB 28	280	•
EC 45, 250 W	162	GP 52, 4 - 30 Nm	227	AB 28	280	•
EC 45, 250 W	162	GP 62, 8 - 50 Nm	229	AB 28	280	•
EC 60, 400 W	165					177.3
EC 60, 400 W	165	GP 81, 20 - 120 Nm	230			•
EC 60, 400 W	165			AB 41	283	214.9
EC 60, 400 W	165	GP 81, 20 - 120 Nm	230	AB 41	283	•

Technical Data	
Supply voltage	5 V ± 10 %
Output signal	EIA Standard RS 422
drivers used:	DS26LS31
Phase shift Φ (nominal)	90°e
Logic state width s	min. 45°e
Signal rise time (typical at $C_L = 25$ pF, $R_L = 11$ k Ω , 25°C)	180 ns
Signal fall time (typical at $C_L = 25$ pF, $R_L = 11$ k Ω , 25°C)	40 ns
Index pulse width (nominal)	90°e
Operating temperature range	0 ... +70°C
Moment of inertia of code wheel	≤ 0.6 gcm ²
Max. angular acceleration	250 000 rad s ⁻²
Output current per channel	min. -20 mA, max. 20 mA

Pin Allocation	
Cable white	= 2 V _{CC} 5 VDC
Cable brown	= 3 GND
Cable green	= 5 Channel A
Cable yellow	= 6 Channel A
Cable grey	= 7 Channel B
Cable pink	= 8 Channel B
Cable blue	= 9 Channel I (Index)
Cable red	= 10 Channel I (Index)
Cable size	8 x 0.25 mm ²



Terminal resistance R = typical 100 Ω