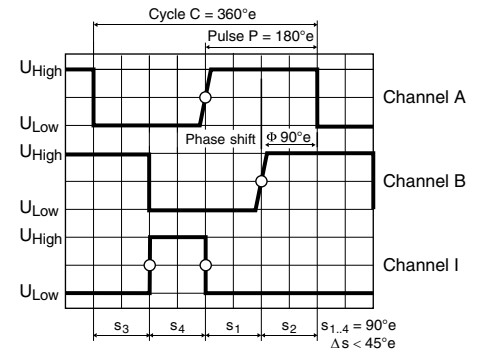
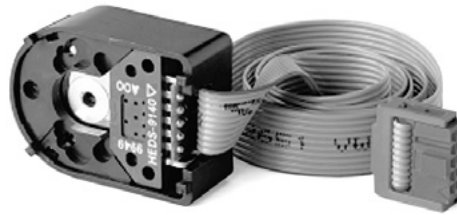
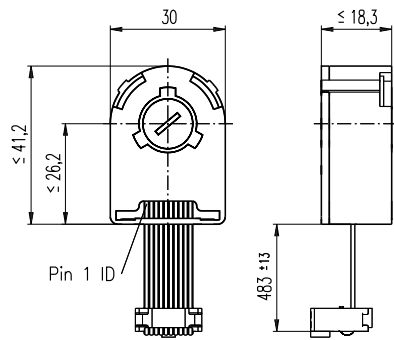


Encoder HEDL 5540 500 CPT, 3 Channels, with Line Driver RS 422



Direction of rotation cw (definition cw p. 150)

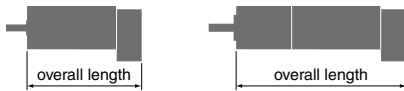
- Stock program
- Standard program
- Special program (on request)

Part Numbers

110512 110514 110516

Type

Counts per turn	500	500	500
Number of channels	3	3	3
Max. operating frequency (kHz)	100	100	100
Max. speed (rpm)	12000	12000	12000
Shaft diameter (mm)	3	4	6



maxon Modular System

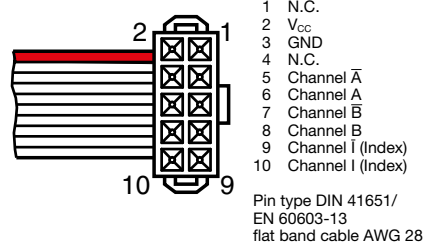
+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see Gearhead
RE 25	179/181					75.3
RE 25	179/181	GP 26/GP 32	336/338			•
RE 25	179/181	KD 32, 1.0 - 4.5 Nm	347			•
RE 25	179/181	GP 32, 0.75 - 6.0 Nm	339/342			•
RE 25	179/181	GP 32 S	370-372			•
RE 25, 20 W	180					63.8
RE 25, 20 W	180	GP 26/GP 32	336/338			•
RE 25, 20 W	180	KD 32, 1.0 - 4.5 Nm	347			•
RE 25, 20 W	180	GP 32, 0.75 - 6.0 Nm	339/342			•
RE 25, 20 W	180	GP 32 S	370-372			•
RE 25, 20 W	180			AB 28	446	94.3
RE 25, 20 W	180	GP 26/GP 32	336/338	AB 28	446	•
RE 25, 20 W	180	KD 32, 1.0 - 4.5 Nm	347	AB 28	446	•
RE 25, 20 W	180	GP 32, 0.75 - 6.0 Nm	339/342	AB 28	446	•
RE 25, 20 W	180	GP 32 S	370-372	AB 28	446	•
RE 25, 20 W	181			AB 28	446	105.8
RE 25, 20 W	181	GP 26/GP 32	336/338	AB 28	446	•
RE 25, 20 W	181	KD 32, 1.0 - 4.5 Nm	347	AB 28	446	•
RE 25, 20 W	181	GP 32, 0.75 - 6.0 Nm	339/342	AB 28	446	•
RE 25, 20 W	181	GP 32 S	370-372	AB 28	446	•
RE 30, 15 W	182					88.8
RE 30, 15 W	182	GP 32, 0.75 - 4.5 Nm	340			•
RE 30, 60 W	183					88.8
RE 30, 60 W	183	GP 32, 0.75 - 6.0 Nm	338-344			•
RE 30, 60 W	183	KD 32, 1.0 - 4.5 Nm	347			•
RE 30, 60 W	183	GP 32 S	370-372			•
RE 35, 90 W	184					91.7
RE 35, 90 W	184	GP 32, 0.75 - 8.0 Nm	338-345			•
RE 35, 90 W	184	GP 42, 3.0 - 15 Nm	349			•
RE 35, 90 W	184	GP 32 S	370-372			•
RE 35, 90 W	184			AB 28	446	124.3
RE 35, 90 W	184	GP 32, 0.75 - 8.0 Nm	338-345	AB 28	446	•
RE 35, 90 W	184	GP 42, 3.0 - 15 Nm	349	AB 28	446	•
RE 35, 90 W	184	GP 32 S	370-372	AB 28	446	•

Technical Data

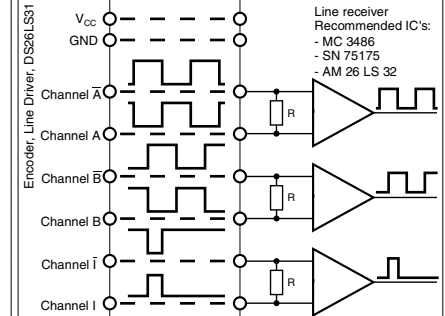
Supply voltage V_{CC}	5 V \pm 10%
Output signal driver used:	EIA Standard RS 422 DS26LS31
Phase shift Φ	90° \pm 45°
Signal rise time (typically, at $C_L = 25$ pF, $R_L = 2.7$ k Ω , 25°C)	180 ns
Signal fall time (typically, at $C_L = 25$ pF, $R_L = 2.7$ k Ω , 25°C)	40 ns
Index pulse width	90°
Operating temperature range	-40...+100°C
Moment of inertia of code wheel	≤ 0.6 gcm ²
Max. angular acceleration	250000 rad s ⁻²
Output current per channel	min. -20 mA, max. 20 mA
Option	1000 Counts per turn, 2 Channels

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

Pin Allocation



Connection example



Terminal resistance R = typical 120 Ω