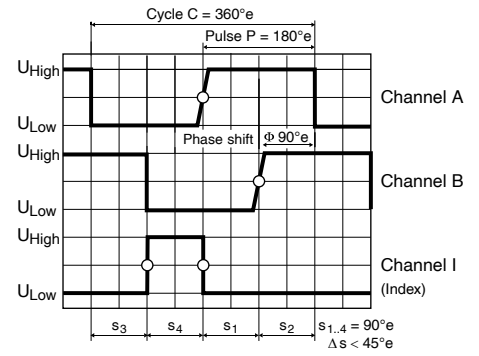
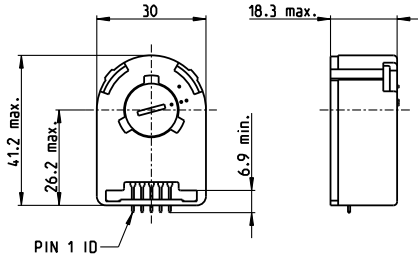


Encoder HEDS 5540 500 CPT, 3 channels

sensor

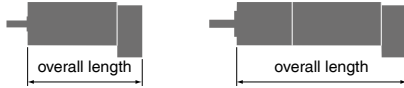


Direction of rotation cw (definition cw p. 78)

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

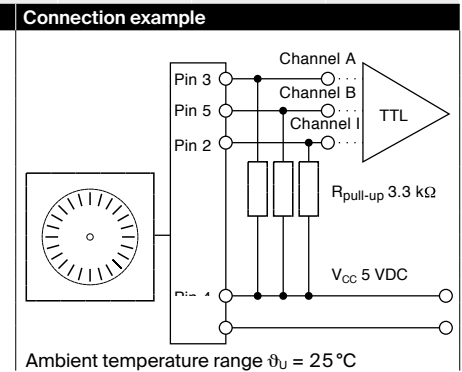
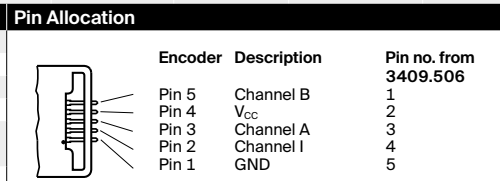
Part Numbers				
110511	110513	110515	110517	X drives

Type	110511	110513	110515	110517	X drives
Counts per turn	500	500	500	500	500
Number of channels	3	3	3	3	3
Max. operating frequency (kHz)	100	100	100	100	100
Max. speed (rpm)	12000	12000	12000	12000	12000
Shaft diameter (mm)	3	4	6	8	2-4

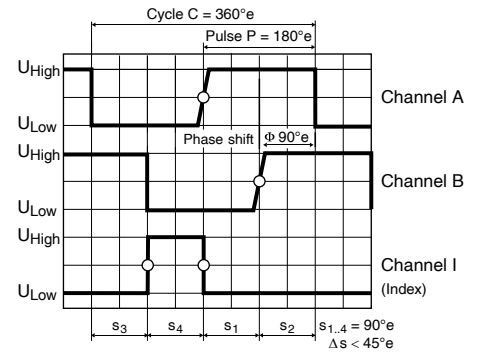
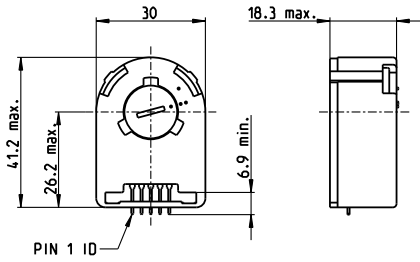


maxon Modular System						
+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see Gearhead
RE 25	144/146					75.3
RE 25	144/146	GP 26, 0.75 - 4.5 Nm	390			•
RE 25	144/146	GP 32, 0.75 - 6.0 Nm	392-396			•
RE 25	144/146	KD 32, 1.0 - 4.5 Nm	403			•
RE 25	144/146	GP 32 S	426-433			•
RE 25, 20 W	146			AB 28	535	105.8
RE 25, 20 W	146	GP 26, 0.75 - 4.5 Nm	390	AB 28	535	•
RE 25, 20 W	146	GP 32, 0.75 - 6.0 Nm	392-396	AB 28	535	•
RE 25, 20 W	146	KD 32, 1.0 - 4.5 Nm	403	AB 28	535	•
RE 25, 20 W	146	GP 32 S	426-433	AB 28	535	•
RE 30, 15 W	147					88.8
RE 30, 15 W	147	GP 32, 0.75 - 4.5 Nm	394			•
RE 30, 60 W	148					88.8
RE 30, 60 W	148	GP 32, 0.75 - 6.0 Nm	392-399			•
RE 30, 60 W	148	KD 32, 1.0 - 4.5 Nm	403			•
RE 30, 60 W	148	GP 32 S	426-433			•
RE 35, 90 W	149					91.7
RE 35, 90 W	149	GP 32, 0.75 - 8.0 Nm	392-400			•
RE 35, 90 W	149	GP 42, 3.0 - 15 Nm	405			•
RE 35, 90 W	149	GP 32 S	426-433			•
RE 35, 90 W	149			AB 28	535	124.3
RE 35, 90 W	149	GP 32, 0.75 - 8.0 Nm	392-400	AB 28	535	•
RE 35, 90 W	149	GP 42, 3.0 - 15 Nm	405	AB 28	535	•
RE 35, 90 W	149	GP 32 S	426-433	AB 28	535	•
RE 40, 25 W	150					91.7
RE 40, 150 W	151					•
RE 40, 150 W	151	GP 42, 3.0 - 15 Nm	405			•
RE 40, 150 W	151	GP 52, 4.0 - 30 Nm	410			•
RE 40, 150 W	151			AB 28	535	124.3
RE 40, 150 W	151	GP 42, 3.0 - 15 Nm	405	AB 28	535	•
RE 40, 150 W	151	GP 52, 4.0 - 30 Nm	410	AB 28	535	•
DCX 22 S	99-100					online
DCX 22 L	101-102					online
DCX 26 L	103-104					online
DCX 32 L	106					online
DCX 35 L	106					online

Technical Data	
Supply voltage V_{CC}	5 V \pm 10%
Typical current draw	55 mA
Output signal	TTL compatible
Phase shift ϕ	90°e \pm 45°e
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 (nominal)	90°e
Operating temperature range	-40...+100°C
Moment of inertia of code wheel	≤ 0.6 gcm ²
Max. angular acceleration	250 000 rad s ⁻²
Output current per channel	min. -1 mA, max. 5 mA



Encoder HEDS 5540 500 CPT, 3 channels



Direction of rotation cw (definition cw p. 78)

sensor

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

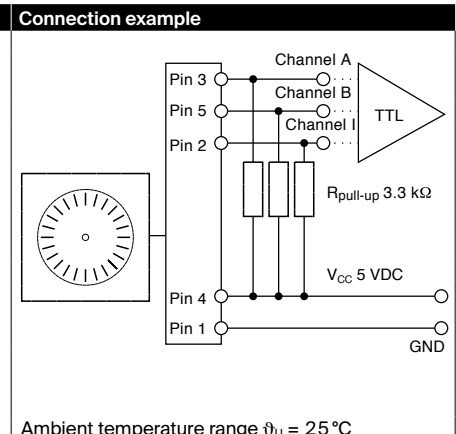
Part Numbers					
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Type	110511	110513	110515	110517	X drives
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Number of channels	3	3	3	3	3
Max. operating frequency (kHz)	100	100	100	100	100
Max. speed (rpm)	12000	12000	12000	12000	12000
Shaft diameter (mm)	3	4	6	8	2-4

maxon Modular System						
+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see Gearhead
RE 25, 20 W	145					63.8
RE 25, 20 W	145	GP 26, 0.75 - 4.5 Nm	390			•
RE 25, 20 W	145	GP 32, 0.75 - 4.5 Nm	392			•
RE 25, 20 W	145	GP 32, 0.75 - 6.0 Nm	393/396			•
RE 25, 20 W	145	KD 32, 1.0 - 4.5 Nm	403			•
RE 25, 20 W	145	GP 32 S	426-433			•
RE 25, 20 W	145			AB 28	535	94.3
RE 25, 20 W	145	GP 22, 0.5 Nm	384			•
RE 25, 20 W	145	GP 26, 0.75 - 4.5 Nm	390	AB 28	535	•
RE 25, 20 W	145	GP 32, 0.75 - 4.5 Nm	392	AB 28	535	•
RE 25, 20 W	145	GP 32, 0.75 - 6.0 Nm	393/396	AB 28	535	•
RE 25, 20 W	145	KD 32, 1.0 - 4.5 Nm	403	AB 28	535	•
RE 25, 20 W	145	GP 32 S	426-433	AB 28	535	•
RE 50, 200 W	152					128.7
RE 50, 200 W	152	GP 52, 4 - 30 Nm	410			•
RE 50, 200 W	152	GP 62, 6.2 - 38.5 Nm	412			•
RE 65, 250 W	153					157.3
RE 65, 250 W	153	GP 81, 15.4 - 92.3 Nm	413			•
A-max 26	171-174					63.1
A-max 26	171-174	GP 26, 0.75 - 4.5 Nm	390			•
A-max 26	171-174	GS 30, 0.07 - 0.2 Nm	391			•
A-max 26	171-174	GP 32, 0.75 - 4.5 Nm	392			•
A-max 26	171-174	GP 32, 0.75 - 6.0 Nm	393/396			•
A-max 26	171-174	GS 38, 0.1 - 0.6 Nm	404			•
A-max 26	171-174	GP 32 S	426-433			•
A-max 32	176					82.3
A-max 32	176	GP 32, 0.75 - 6.0 Nm	392-398			•
A-max 32	176	GS 38, 0.1 - 0.6 Nm	404			•
A-max 32	176	GP 32 S	426-433			•
EC 32, 80 W	238					78.4
EC 32, 80 W	238	GP 32, 0.75 - 6.0 Nm	392-399			•
EC 32, 80 W	238	GP 32 S	426-433			•
EC 40, 170 W	239					103.4
EC 40, 170 W	239	GP 42, 3.0 - 15 Nm	405			•
EC 40, 170 W	239	GP 52, 4.0 - 30 Nm	410			•

Technical Data	
Supply voltage V_{CC}	5 V \pm 10%
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Output signal	TTL compatible
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Signal fall time (typically, at $C_L = 25$ pF, $R_L = 2.7$ k Ω , 25 °C)	40 ns
Index pulse width	90°e
Operating temperature range	-40...+100 °C
Moment of inertia of code wheel	≤ 0.6 gcm ²
Max. angular acceleration	250 000 rad s ⁻²
Output current per channel	min. -1 mA, max. 5 mA

Pin Allocation		
Encoder	Description	Pin no. from 3409.506
Pin 5	Channel B	1
Pin 4	V_{CC}	2
Pin 3	Channel A	3
Pin 2	Channel I	4
Pin 1	GND	5



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