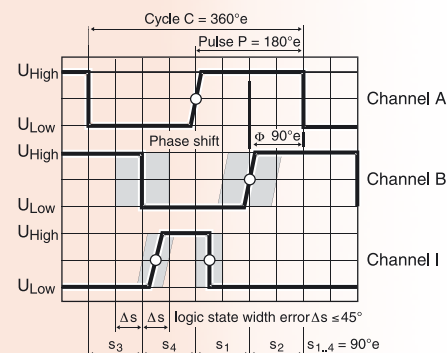
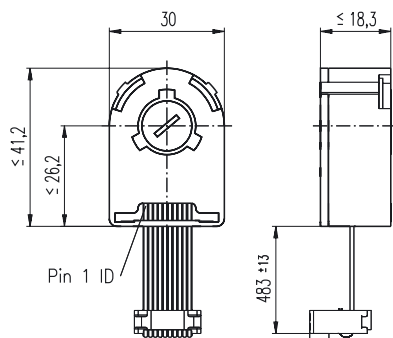


Encoder HEDL 5540, 500 - 1000 CPT, 3 Channels, with Line Driver RS 422



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

Order Number

110512 110514 110516

Type

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



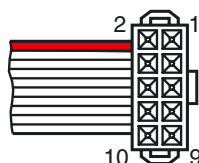
Combination

+ Motor	Page	+ Gearhead	Page	+ Brake	Page	Overall length [mm] / • see: + Gearhead
EC-max 30, 40 W	173					62.6
EC-max 30, 40 W	173	GP 32, 1 - 6 Nm	221			•
EC-max 30, 40 W	173			AB 20	278	94.7
EC-max 30, 40 W	173	GP 32, 1 - 6 Nm	221	AB 20	278	•
EC-max 30, 60 W	174					84.6
EC-max 30, 60 W	174	GP 42, 3 - 15 Nm	225			•
EC-max 30, 60 W	174			AB 20	278	116.7
EC-max 30, 60 W	174	GP 42, 3 - 15 Nm	225	AB 20	278	•
EC-power 30	175					67.6
EC-power 30	175	GP 42, 3 - 15 Nm	225			•
EC-power 30	175			AB 20	278	79.1
EC-power 30	175	GP 42, 3 - 15 Nm	225	AB 20	278	•
EC-power 30	176					84.6
EC-power 30	176	GP 42, 3 - 15 Nm	225			•
EC-power 30	176			AB 20	278	96.1
EC-power 30	176	GP 42, 3 - 15 Nm	225	AB 20	278	•
EC-max 40, 70 W	177					81.4
EC-max 40, 70 W	177	GP 42, 3 - 15 Nm	225			•
EC-max 40, 70 W	177			AB 28	281	121.4
EC-max 40, 70 W	177	GP 42, 3 - 15 Nm	225	AB 28	281	•
EC-max 40, 120 W	178					111.4
EC-max 40, 120 W	178	GP 52, 4 - 30 Nm	228			•
EC-max 40, 120 W	178			AB 28	281	151.4
EC-max 40, 120 W	178	GP 52, 4 - 30 Nm	228	AB 28	281	•

Technical Data

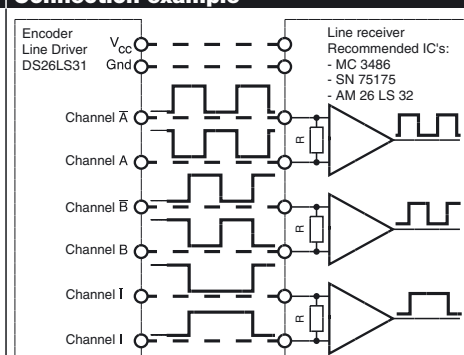
Supply voltage	5 V ± 10 %
Output signal	EIA Standard RS 422
drivers used:	DS26LS31
Phase shift Φ (nominal)	90°e
Logic state width s	min. 45°e
Signal rise time (typical at $C_L = 25$ pF, $R_L = 2.7$ k Ω , 25°C)	180 ns
Signal fall time (typical at $C_L = 25$ pF, $R_L = 2.7$ k Ω , 25°C)	40 ns
Index pulse 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
Option	1000 counts per turn, 2 channel

Pin Allocation



- 1 N.C.
 - 2 V_{CC}
 - 3 GND
 - 4 N.C.
 - 5 Channel A
 - 6 Channel A
 - 7 Channel B
 - 8 Channel B
 - 9 Channel I (Index)
 - 10 Channel I (Index)
- Pin type Berg 246770
flat band cable AWG 28

Connection example



Terminal resistance R = typical 100 Ω