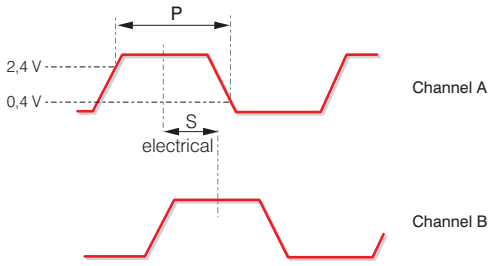
BCI-Sensor

Encoder HEDS 5500

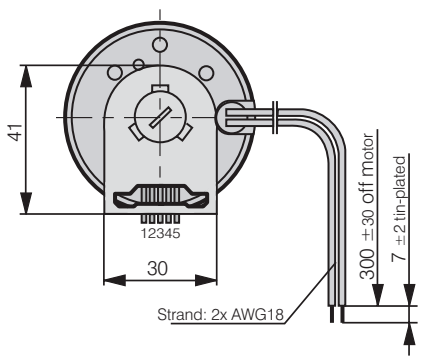
– Optoelectronic 2-channel incremental encoder. A resolution of max. 2.048 increments per revolution is attained by appropriate evaluation in an external control.
– The encoder works contact-free and free from wear. The resolution of the angle of rotation is effected by means of a light-emitting diode in front of a metal encoder disc and a photo-diode array.
– Optional: Variants with other encoder resolutions are available on request.

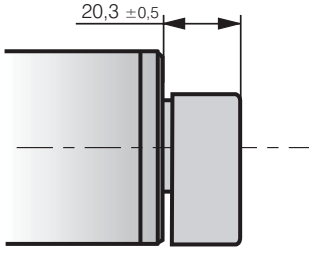
Nominal Data

Type		HEDS 5500
No. of pulses	Z	512 per revolution (channel A and B)
Qutput signal	A, B	2 rectangular-pulse signals, (90°C phase offset; TTL-compatible)
Limiting frequency	f	100 kHz
Supply voltage	U_B	+ 5 V ± 10%
Current consumption	I_B	typ. 17 mA (max. 40 mA)
Deviation of pulse width	ΔP	typ. 5° related of P = 90° pulse width (electrically by U_B = 5 V and 25 °C)
Deviation of phase shift	ΔS	typ. 7° related of S = 90° phase shift between channel A and B (electrically by U_B = 5 V and 25 °C)
Electrical connection	AMP	103686-4 or 600442-5
Plug type	Berg	65039-032 / 4825-000 or 65801-034
	Molex	2695 / 2759
Connection table	Pim	1: Ground I 2: free I 3: A I 4: U_B I 5: B



HEDS for motors and worm gear motors available on request.
Available at short notice for all other designs.





Note:
Only one accessory component (brake or sensor) can be mounted onto a motor at a time.

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