

Series HWI 40

- ▶ Incremental miniature rotary-encoder with a hollow shaft diameter of 6mm
- ▶ Housing diameter 40 mm, small design and standard degree of protection
- ▶ Maximum 1024 pulses / revolution
- ▶ For simple industrial requirements
- ▶ Direct assembly onto existing shafts
- ▶ Accessories from page 78

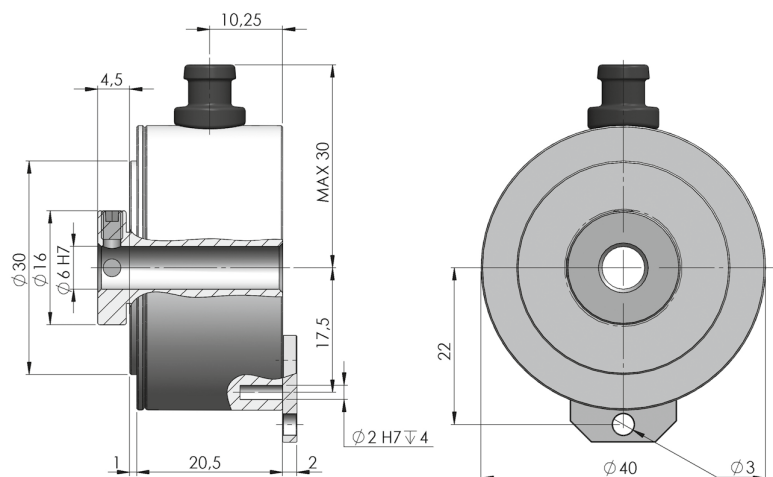
Electrical specifications

max. pulse frequency:	25 kHz
Perm. temperature range:	-30°... +70° C
Power supply:	10 V... 30 V DC
Max. current consumption:	40 mA (without load)
Max. output load:	30 mA (per channel)
Residual ripple:	max. $\pm 5\% U_B$
Power supply:	5 V DC $\pm 5\%$
Max. current consumption:	40 mA
Max. output load:	30 mA (per channel)

Mechanical specifications

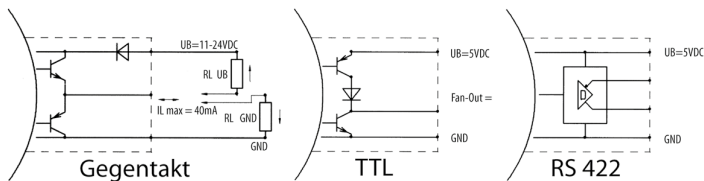
Flange:	Aluminium
Housing:	Aluminium
Shaft:	stainless steel
Bearing:	Deep groove ball bearing
Weight:	approx 0,1 kg
Protection type:	IP 54
Max. speed:	6.000 U/min
Torque:	approx 1 Ncm

Mechanical dimensions



All specification in millimeters

Output circuits

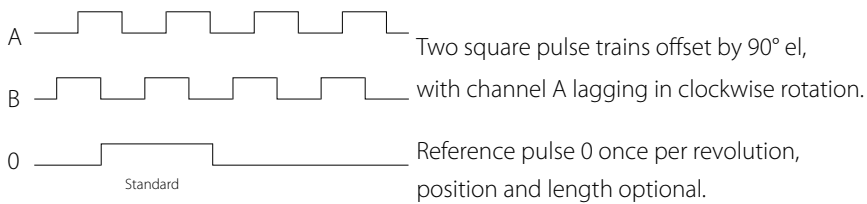


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Signal outputs



All channels can also be executed inversely.

Pin configuration

	GND	+ U _B	A	B	\bar{A}	\bar{B}	0	$\bar{0}$
Connection type 00 (Colour code according to DIN 47100)	white	brown	green	yellow			gray	
Connection type 00 (Colour code according to DIN 47100)	white	brown	green	yellow	gray	pink	blue	red
Connection type 01	black	blue	brown	beige			yellow	
Connection type 01	black	blue	brown	beige	yellow	green	pink	purple

Order reference

