

AWI 40

- ▶ Incremental rotary encoder with shaft
- ▶ For simple industrial requirements
- ▶ Small design and high degree of protection
- ▶ Also available in stainless steel for aggressive environmental conditions
- ▶ Accessories from page 70

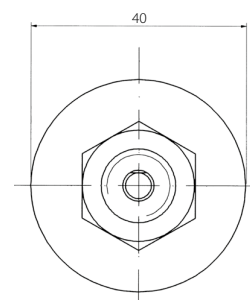
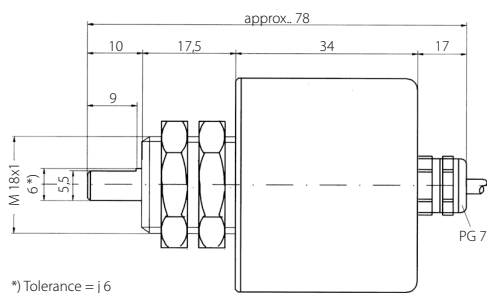
Electrical specifications

max. pulse frequency:	25 kHz
Perm. temperature range:	-30°... +70°C
Power supply:	10V ... 30V DC
Max. current consumption:	80mA (without load)
Max. output load:	30mA (per channel)
Residual ripple:	max. $\pm 5\% U_B$
Power supply:	5V DC $\pm 5\%$
Max. current consumption:	40mA
Max. output load:	30mA (per channel)

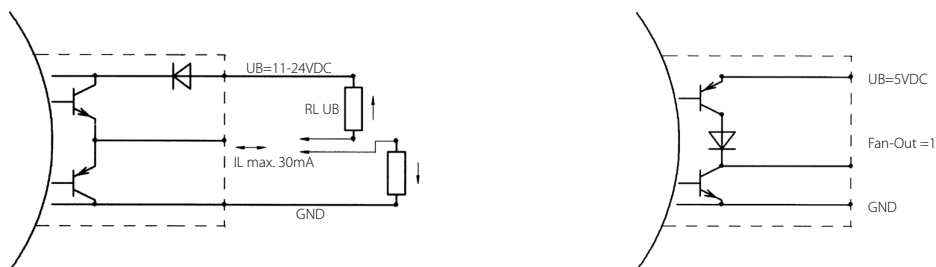
Mechanical specifications

Flange/Housing:	Aluminium
Shaft:	stainless steel
Shaft seal:	Oil/Salt-water resistant
Bearing:	Deep groove ball bearing
Weight:	approx. 0.3 kg
Protection type:	IP 65
Max. speed:	6000 U/min
Torque:	approx. 3 Ncm
Max. shaft load:	axial 5 N radial 5 N

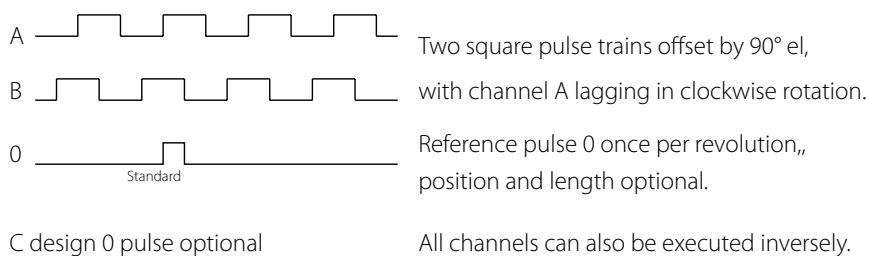
Mechanical dimensions



Output circuits



Signal outputs



Tolerances (at 25 kHz)

Phasenversatz: 90° ± 20° el

Tastverhältnis: 180° : 180° ± 18° el

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			grey	
Connection type 00 (Colour code according to DIN 47100)	white	brown	green	yellow	grey	pink	blue	red
Connection type 01	black	blau	brown	beige			yellow	
Connection type 01	black	blau	brown	beige	yellow	green	pink	purple
Connection type 08, 09	1	2	3	4	(5)		5	
Connection type 10, 11	1	2	3	4	(5)	(6)	5	6

Order reference

