

Series SWI 58

- ▶ Incremental rotary-encoder with a blind hollow shaft diameter of 6-15 mm
- ▶ Housing diameter 58mm, compact design and high degree of protection up to IP67
- ▶ Maximum 5.000 pulses / revolution
- ▶ Compact design for highest mechanical requirements
- ▶ Direct assembly onto existing shafts
- ▶ Accessories from page 78

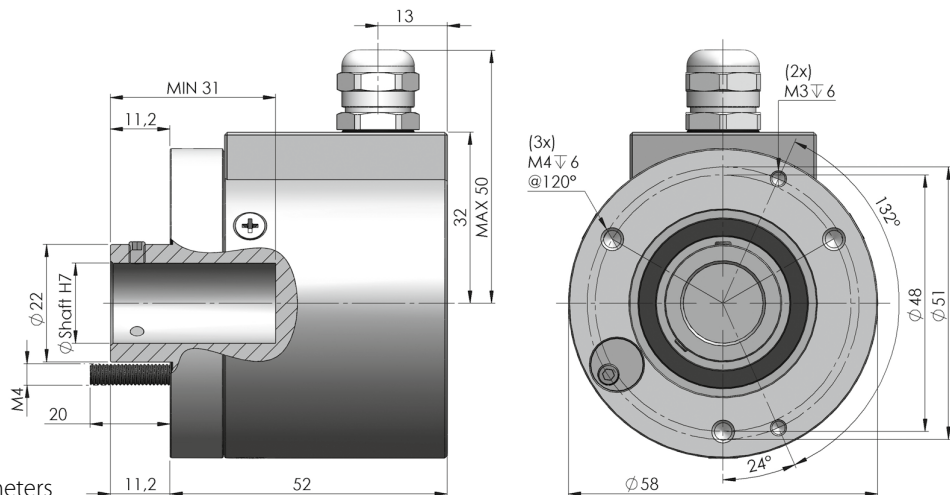
Electrical specifications

max. pulse frequency:	100 kHz
Perm. temperature range:	-30°... +70° C
Power supply:	10 V... 30 V DC
Max. current consumption:	80 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:	80 mA (150 mA for Line Driver 75114 or similar)

Mechanical specifications

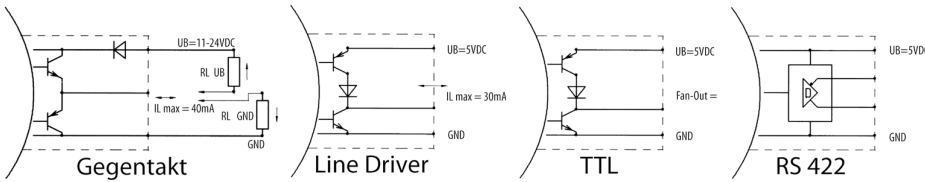
Flange:	Aluminium
Housing:	Zinc die-casting
Shaft:	stainless steel
Bearing:	Deep groove ball bearing
Weight:	approx 0,4 kg
Protection type:	IP 54
Max. speed:	6.000 U/min
Torque:	approx 5 Ncm
Max. shaft load:	axial 100 N/radial 100 N

Mechanical dimensions



All specification in millimeters

Output circuits



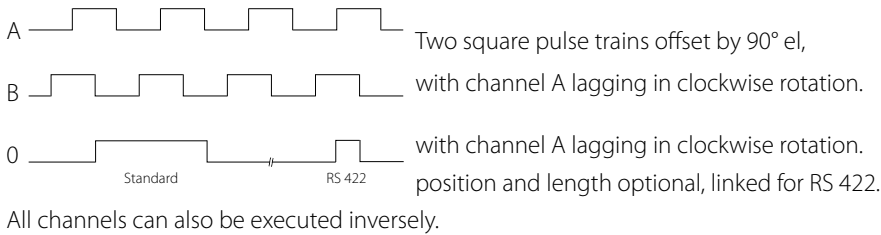
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6

Signal outputs



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
Connection type 05	1	2	3	4				
Connection type 08, 09	1	2	3	4	(5)		5	
Connection type 10, 11	1	2	3	4	(5)	(6)	5	6
Connection type 12	1	2	3	4	5	6	7	8
Connection type 52	A	B	C	D	E	F	G	

Order reference

