

Tl38 series



Main features



Extremely rugged mechanical part despite miniature dimensions



Housing sealed against oil, moisture and dust



Standard pulses rate up to 500 rpm (without count multiplication logic)



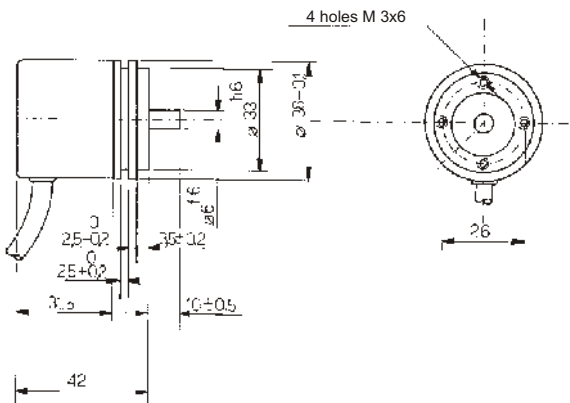
Output capacity up to 100 kHz

TEKEL Instruments S.r.l. - Via Torino 13/1 - 10060 Roletto (TO) Italia
Tel +39 0121.343811 (10 linee r.a.) - Fax +39 0121.343888
<http://www.tekel.it> - e-mail: tekel@tekel.it





T138 series



TECHNICAL CHARACTERISTICS

Model	TI38 bidirectional + zero
Standard no. of increments	100 - 360 - 500

MECHANICAL CHARACTERISTICS

Assembly	SG Servo flange
Ball bearing working life	10° revolution min. 10000 rpm for short period 6000 rpm for normal operation
Shaft loading	Axial 40 N; radial 40 N at the end of the shaft

ENVIRONMENTAL CHARACTERISTICS

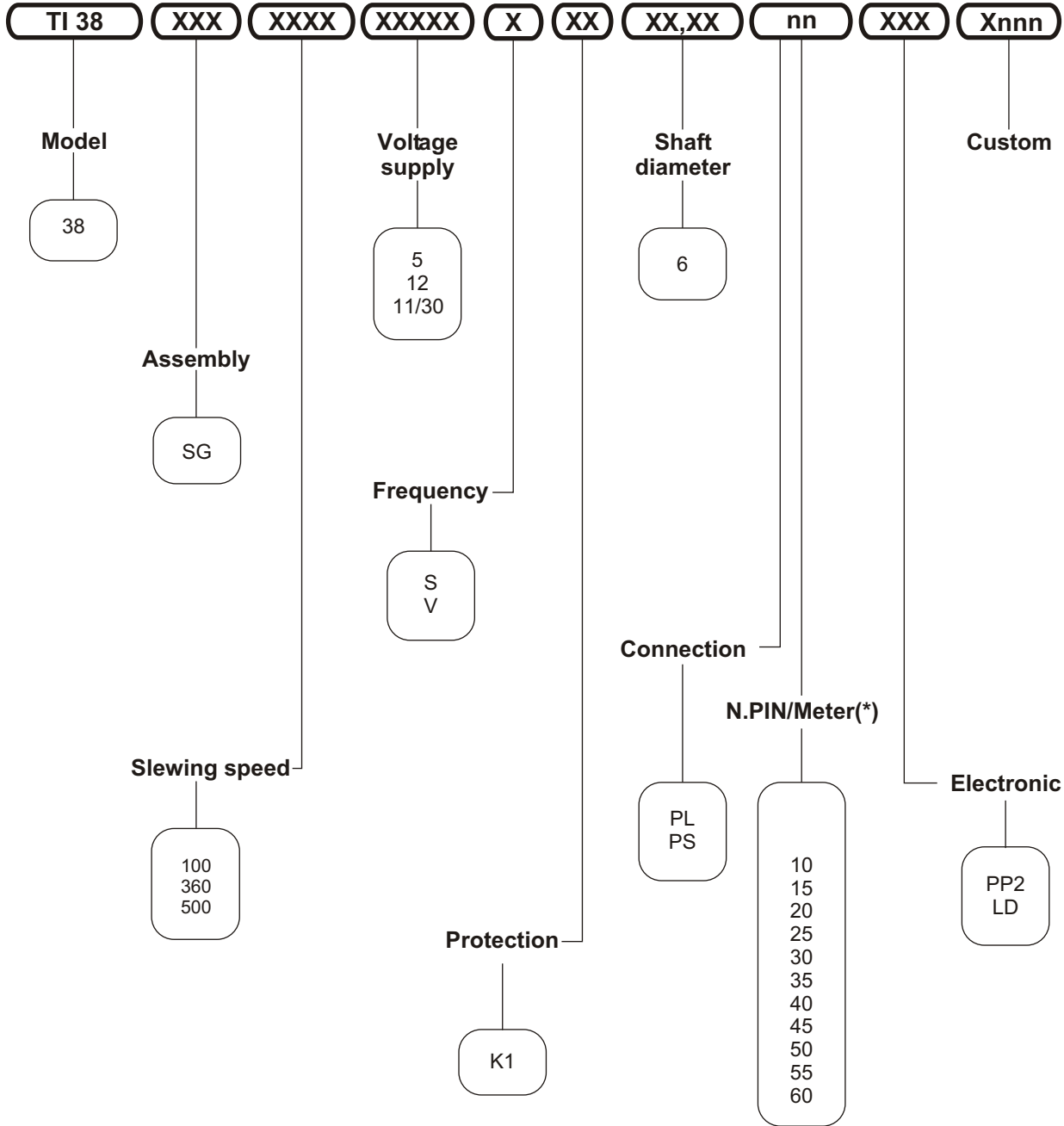
Operating temperature	-10 ÷ +70 °C
Storage temperature	-30 ÷ +80 °C
Protection	K1 IP 55 per DIN 40050

ELECTRICAL CHARACTERISTICS

Code	Incremental
Zero index	Gated on channel A 180° el (only PP2), A+B 90° el (only LD)
Voltage supply (c.c.)	5 V ±5 % 11 ÷ 30 V
Power consumption	80 mA max
Output protection	Push-pull with short circuit protection, no limit duration
Frequency range	100 kHz max
Output	PP2 push-pull with short circuit protection LD line driver protected

CONNECTION CONFIGURATIONS

Connection configurations PP2, LD	On screened cable 1+6 m long on cable gland, radial ("PS") o axial ("P")
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(*) 10 = 1,0 m ... 60 = 6,0 m