

Series NS- NSM

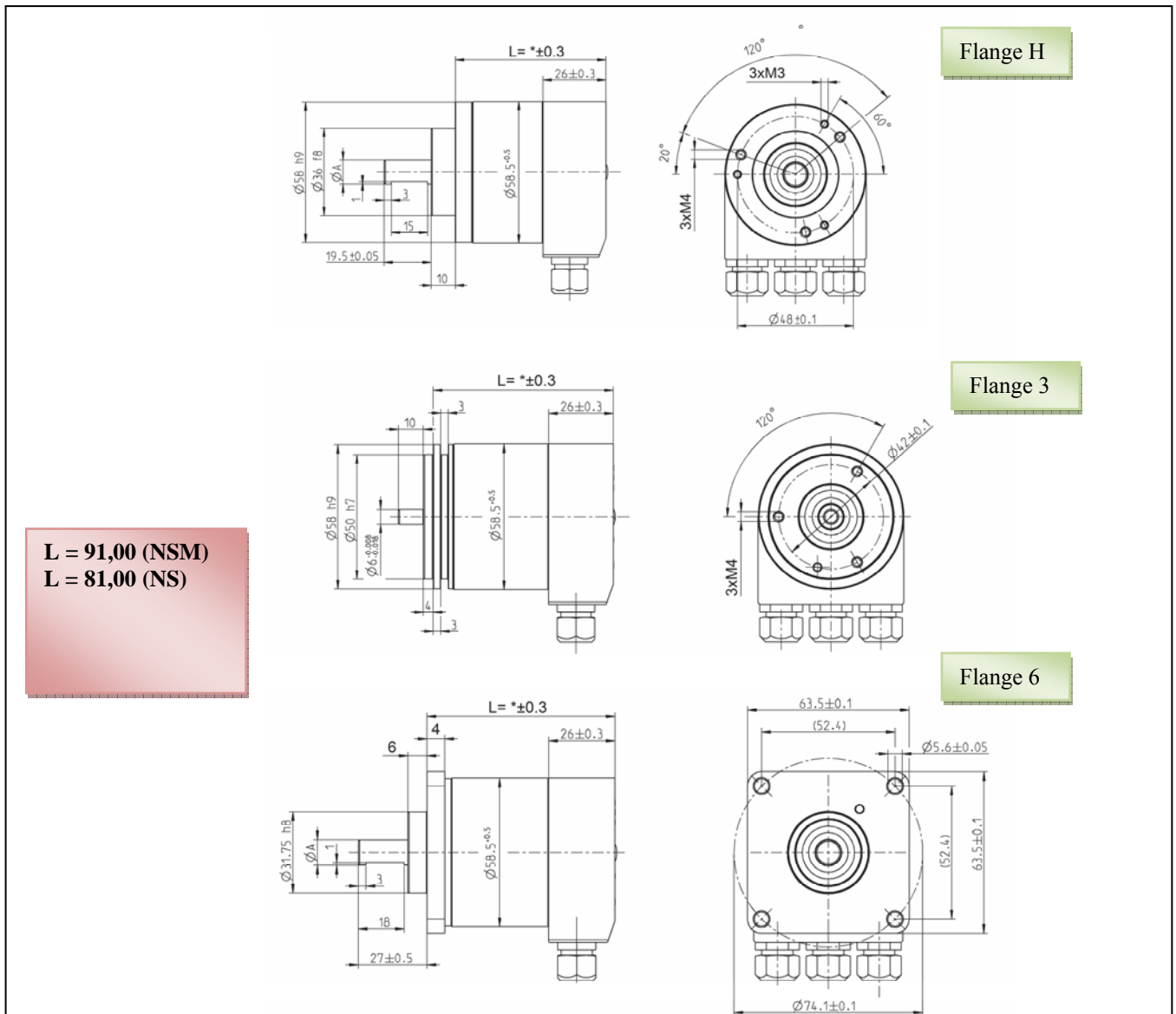
Absolute shaft encoder single turn (NS) / Multi turn (NSM) with ProfiNet IO interface

Mechanics data

Cover:	Aluminium
Body:	Aluminium
Shaft:	Stainless steel
Bearings:	2 ballraces
Weight:	400gr.
IP protection:	IP67
RPM:	6000 Max
Torque:	< 0.5Ncm
Moment of inertia:	14gcm ² (Flange 1, 6 e H) 20gcm ² (Flange 3)
Shaft Load	: Ass. 20N - Rad 40N (shaft Ø 6mm) Ass. 40N -Rad 60N (shaft Ø 10mm)



Dimensions in millimeters



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Electronics Data

Power Supply:	10-30V +/- 5%
Current cons:	max 4Watt
Interface:	Ethenret
Protocol:	ProfiNet (NRT,RT,IRT)
Transfer rate:	100Mbit/sec
Cycle Time:	≤ 1 ms (IRT) ; ≤ 10 ms (RT)
Resolution:	Single turn max 16 Bit Multi turn 30 Bit (16 Bit single turn -14 Bit multi turn)
Linearity:	+/- 2 LSB x 16 Bit 1 LSB x 14Bit +/- ½ LSB 12Bit
Output Code:	Binary
Programmable Functions:	Direction Resolution per turn Total Resolution Preset
Operating temperature:	0 / +60°C

