Nidec M700 Servo Drive

1) Encoder Configuration

TTK50 Sick

Parameter	Description	Value
03.033	P1 Rotary Turns Bits	16
03.034	P1 Rotary lines per revolution	32
03.035	P1 Comms bits	26
03.036	P1 Supply voltage	8V
03037	P1 Comms Baud Rate	300k Baud
03.038	P1 Device Type	SC Hiperface
03.039	P1 Termination Select	1
03.040	P1 Error Detection Level	0000 0011
03.041	P1 Auto-configurarion select	Disabled
03.049	P1 Additional power-up delay	2,0 s
03.052	P1 Linear Comms Pitch	0,031
03.053	P1 Linear line Pitch	1,000
03.054	P1 Linear Comms and Line pitch units	millimeters
03.055	P1 Pole Pair Pitch	32,00 mm

LIC411 Heidenhain

Parameter	Description	Value
03.033	P1 Rotary Turns Bits	16
03.034	P1 Rotary lines per revolution	32
03.035	P1 Comms bits	36
03.036	P1 Supply voltage	5V
03037	P1 Comms Baud Rate	1M Baud
03.038	P1 Device Type	Endat
03.039	P1 Termination Select	1
03.040	P1 Error Detection Level	0000 0011
03.041	P1 Auto-configurarion select	Enabled
03.049	P1 Additional power-up delay	0 s
03.052	P1 Linear Comms Pitch	0,001
03.053	P1 Linear line Pitch	0,000
03.054	P1 Linear Comms and Line pitch units	micrometers
03.055	P1 Pole Pair Pitch	32,00 mm

2) Thermal sensor configuration

Standard thermal sensor is 2 x PTC600 in series.

Parameter	Description	Value
05.051	Rotor temperature source	An In 3
07.046	Analog input 3 Thermistor type	DIN44082
07.048	Analog input 3 thermistor trip threshold	3300 ohm
07.049	Analog input 3 thermistor Reset threshold	1800 ohm

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