

DHM9 INCREMENTAL ENCODER, FOR DEMANDING ENVIRONMENT

DHM9-INKREMENTTIANTURI

- Diameter 90mm, shaft 11 or 12mm
- Resolution max. 80 000 P/R
- IP66 or IP67
- Equipped with connecting cable, connector or terminal enclosure
- Optional overspeed switch function



PRODUCT DESCRIPTION

SPECIFICATIONS

Sensor type	Incremental
Housing diameter	90 mm
Shaft Diameter min	11 mm
Shaft Diameter max	12 mm
Pulse Max	80000
Connection Thread	Cable, M23 contact
IP Class	IP66, IP67
Speed max.	9000 rpm
Supply Voltage DC Min	5 V DC
Supply Voltage DC Max	30 V DC
Temperature range from	-40 °C
Temperature range to	100 °C
Output	Push/Pull

ORDERING REFERENCE Contact the factory for special versions (over speed, electronics 5-36V, special flanges, connections, ...)

DIMAP	Shift Ø	Square signals		Connections	Orientation connection
		Electronics 25G, P02, R02, SGT	Output signals		
DIMAP 1 Stainless steel body	11-11mm	Supply	Output stages	GM03 12pins CW	A: radial B: radial
	12-12mm	2: 5Vdc	G2 driver 5Vdc: RS422	GM03 12pins CW	A: radial B: radial
	C1 11mm length 25mm	5: 11 to 30Vdc	G6 push/pull 5-30Vdc	GM03 12pins CW	A: radial B: radial
DIMAP 2 Stainless steel cover and body	12-12mm	5: 5 to 30Vdc	G7 push/pull 11-30Vdc	GM03 12pins CW	A: radial B: radial
	C2 12mm length 25mm	5: 4.75 to 30Vdc	G7 push/pull 11-30Vdc	GM03 12pins CW	A: radial B: radial
	2: 5Vdc	WT sine Tripp	Sine Wave output	GM03 12pins CW	A: radial B: radial
Ex: DIMAP	11 //	5	G6	9 // 96 000 //	GP

Available resolutions (120°C electronics): 5 10 20 25 30 50 60 100 120 125 127 150 180 200 240 280 296 300 314 360 375 400 500 612 625 720 750 762 768 800 927 1000 1024 1200 1250 1280 1440 1600 1800 2000 2048 2400 2500 3000 3600 4000 4096 5000 6000 7000 8000 8192 10000

Interpolated available resolution (GP-C electronics): 1000 2560 2880 3072 4320 5120 7680 9000 10240 10800 12000 12500 12960 14400 16000 16384 18000 20000 20480 24000 28800 30000 32000 32768 36000 40000 40960 43200 48000 49152 50000 57600 60000 64000 65536 80000 96000

Available resolutions sine-wave signals (120°C electronics): 250 256 300 500 1024 2500 5000

Sig A
Sig $\bar{A}$
Sig B
Sig $\bar{B}$
Sig Z
Sig $\bar{Z}$

