

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 (lower speed, electronics 5-30V, special flanges, connections, ...)

DMM	Shaft Ø	Square signals		Connections	Disturbance connection
		Electronics	Supply		
DBMP Stainless steel body	11.11mm	2 Div/c	G2 driver 5Vdc: 15A02	GM3 12pins CW	A: coil
		5 Div/c	G2 output 5-30Vdc: P: A/A/B/B/0/0 (A/B 0 gated)	GM3 12pins CW	B: rod/s
DBM Stainless steel cover and body	11.11mm	2 Div/c	G2 output 5-30Vdc: P: A/A/B/B/0/0 (A/B 0 gated)	GM3 connection box	
		5 Div/c	G2 output 5-30Vdc: P: A/A/B/B/0/0 (A/B 0 gated)	GM3 connection box	
DBM Stainless steel cover and body	11.11mm	2 Div/c	G2 output 5-30Vdc: P: A/A/B/B/0/0 (A/B 0 gated)	GM3 connection box	
		5 Div/c	G2 output 5-30Vdc: P: A/A/B/B/0/0 (A/B 0 gated)	GM3 connection box	

Example: DBMP stainless steel body, 11.11mm shaft, 2 Div/c, G2 driver 5Vdc, GM3 12pins CW, A: coil, B: rod/s, resolution 1000, cable 2m, A/B 0 gated, cable 10m

Ex: DBMP // 11 // 5 // GG // 9 // 94 000 // GP // R050

Available resolutions (100°C electronics): 5 10 20 25 30 50 100 120 125 127 150 180 200 240 250 256 300 314 360 375 400 500 600 720 750 760 768 800 1020 1024 1280 1530 1536 1440 1600 1800 2000 2048 2400 2500 3000 3600 4000 4096

Intelligent available resolutions (10°C electronics): 1000 2000 2048 3072 4000 5120 7000 8190 8000 10240 10800 12000 12288 14400 15000 16000 16384 18000 20000 20480 24000 25000 28800 30000 32000 30768 30000 40000 40900 43000 48000 49152 50000 57600 60000 64000 65536 80000 96000

Available resolutions sine-wave signals (100°C electronics): 250 256 300 300 1024 2500 3000

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

