



Type	MDG 24 A	MDG 40 S	MDG 40 A	MDG 50 B
Max.pulses per revolution:	2.000	1.500	1.500	1.500
Housing: Ø, Length:	Ø 24, L20mm	Ø 40, L33,5mm	Ø 40, L41,5mm	Ø 50, L44mm
Shaft:Ø, Length:	Ø 4, L5 - 25mm	Ø 6, L13mm	Ø 6, L11,5mm	Ø 8, L15mm
Maximum operating speed:	18.000 rpm	12.000 rpm	12.000 rpm	12.000 rpm
Output channels:	ABN	ABN ABNinv.	ABN ABNinv.	ABN ABNinv.
Max.load on shaft:	max.20Nradial max.20Naxial	max.80Nradial max.50Naxial	max.80Nradial max.50Naxial	max.120Nradial max.70Naxial
Max.operating frequency:	100kHz	200kHz	200kHz	200kHz
Supply voltage:	5 - 24VDC	4,75-5,5VDC 10-30VDC	4,75-5,5VDC 10-30VDC	4,75-5,5 VDC 10-30VDC
Current consumption:	max.20mA	max.70mA	max.70mA	max.70mA
Operating temperature:	-40...+85°C	-10...+70°C	-10...+70°C	-10...+70°C
Protection:	IP54	IP67, on shaft IP65	IP67, on shaft IP65	IP67, on shaft IP65



Type	MDG 53 S / V (S: Anod. alu / V: Steel)	MDG 58 B	MDG 58 A / C	MDG 58 D
Max.pulses per revolution:	1.500	5.000	5.000	5.000
Housing: Ø, Length:	Ø 53, L44mm	Ø 58, L42mm	Ø 58, L42mm	Ø 58, L42mm
Shaft:Ø, Length:	Ø 6, L13mm	Ø 10, L20mm	Ø 6, L12mm (A) Ø 10, L20mm (C)	Ø 12, L25mm
Maximum operating speed:	6.000 rpm	8.000 rpm	10.000 rpm	8.000 rpm
Output channels:	ABN ABNinv.	ABN ABNinv.	ABN ABNinv.	ABN ABNinv.
Max.load on shaft:	max.20Nradial max.10Naxial	max.220Nradial max.120Naxial	max.125Nradial max.70Naxial	max.400Nradial max.400Naxial
Max.operating frequency:	200kHz	200kHz	200kHz	200kHz
Supply voltage:	4,75-5,5VDC 10-30VDC	4,75-5,5VDC 10-30VDC	4,75- 5,5 VDC 10-30VDC	4,75-5,5VDC 10-30VDC
Current consumption:	max.40mA	max.70mA	max.70mA	max.70mA
Operating temperature:	-20...+80°C	-10...+70°C	-10...+70°C	-10...+70°C
Protection:	IP68	IP67, on shaft IP65	IP67, on shaft IP65	IP67, on shaft IP65



Type	MDG58K	MDG90B	MDG115T/M	MDG58E
Max.pulses per revolution:	5.000	5.000	5.000	5.000
Housing: Ø, Length:	Ø 58, L42mm	Ø 90, L37mm	Ø 115, L49mm	Ø Blind hole 58, L38mm
Shaft:Ø, Length:	Ø 6, L20mm	Ø 12, L26mm	Ø 10, L25mm (T) Ø 11, L25mm (M)	Ø max.12mm
Maximum operating speed:	8.000 rpm	8.000 rpm	8.000 rpm	6.000 rpm
Output channels:	ABN ABNinv.	ABN ABNinv.	ABN ABNinv.	ABN ABNinv.
Max.load on shaft:	max.80Nradial max.50Naxial	max.200Nradial max.150Naxial	max.200Nradial max.120Naxial	max.80Nradial max.60Naxial
Max.operating frequency:	200kHz	200kHz	200kHz	200kHz
Supply voltage:	4,75-5,5VDC 10-30VDC	4,75-5,5VDC 10-30VDC	4,75- 5,5 VDC 10-30VDC	4,75-5,5VDC 10-30VDC
Current consumption:	max.70mA	max.70mA	max.70mA	max.70mA
Operating temperature:	-10...+70°C	-10...+70°C	-10...+70°C	-10...+70°C
Protection:	IP67, on shaft IP65	IP67, on shaft IP65	IP67, on shaft IP65	IP65



Type	MDG58H	MDG80H	MDG100H	MDG145H
Max.pulses per revolution:	5.000	1.024	4.096	2.500
Housing: Ø, Length:	Ø 58, L38mm	Ø 80, L40mm	Ø 100, L37mm	Ø 145, L50 mm
Shaft:Ø, Length:	Ø max. 12mm	Ø max.25mm	Ø max.45 mm	Ø max. 72 mm
Maximum operating speed:	6.000 rpm	3.500 rpm	3.500 rpm	1.600 rpm
Output channels:	ABN ABNinv.	ABN ABNinv. ABNSinus	ABN ABNinv. ABNSinus	ABN ABNinv.
Max.load on shaft:	max.80Nradial max.60Naxial	max.200Nradial max.100Naxial	max.200Nradial max.100Naxial	max.200Nradial max.100Naxial
Max.operating frequency:	200kHz	200kHz	200kHz	200kHz
Supply voltage:	4,75-5,5VDC 10-30VDC	4,75-5,5VDC 10-30VDC	4,75-5,5 VDC 10-30VDC	4,75-5,5VDC 10-30VDC
Current consumption:	max.70mA	max.70mA	max.70mA	max.70mA
Operating temperature:	-10...+70°C	-10...+70°C	-10...+70°C	-10...+70°C
Protection:	IP65	IP65	IP54	IP54