

M3G112-EA04-28 ebmpapst Datasheet  
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## Nominal data

Type	M3G112-EA04-28	
Motor	M3G112-EA	
Nominal voltage	VDC	370
Nominal voltage range	VDC	344 .. 383
Frequency	Hz	DC
Type of data definition		cs
Speed (rpm)	min <sup>-1</sup>	4500
Power input	W	1170
Power output	W	1000
Current draw	A	3.1
Rated torque	Ncm	210
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	50

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit  
 Subject to alterations

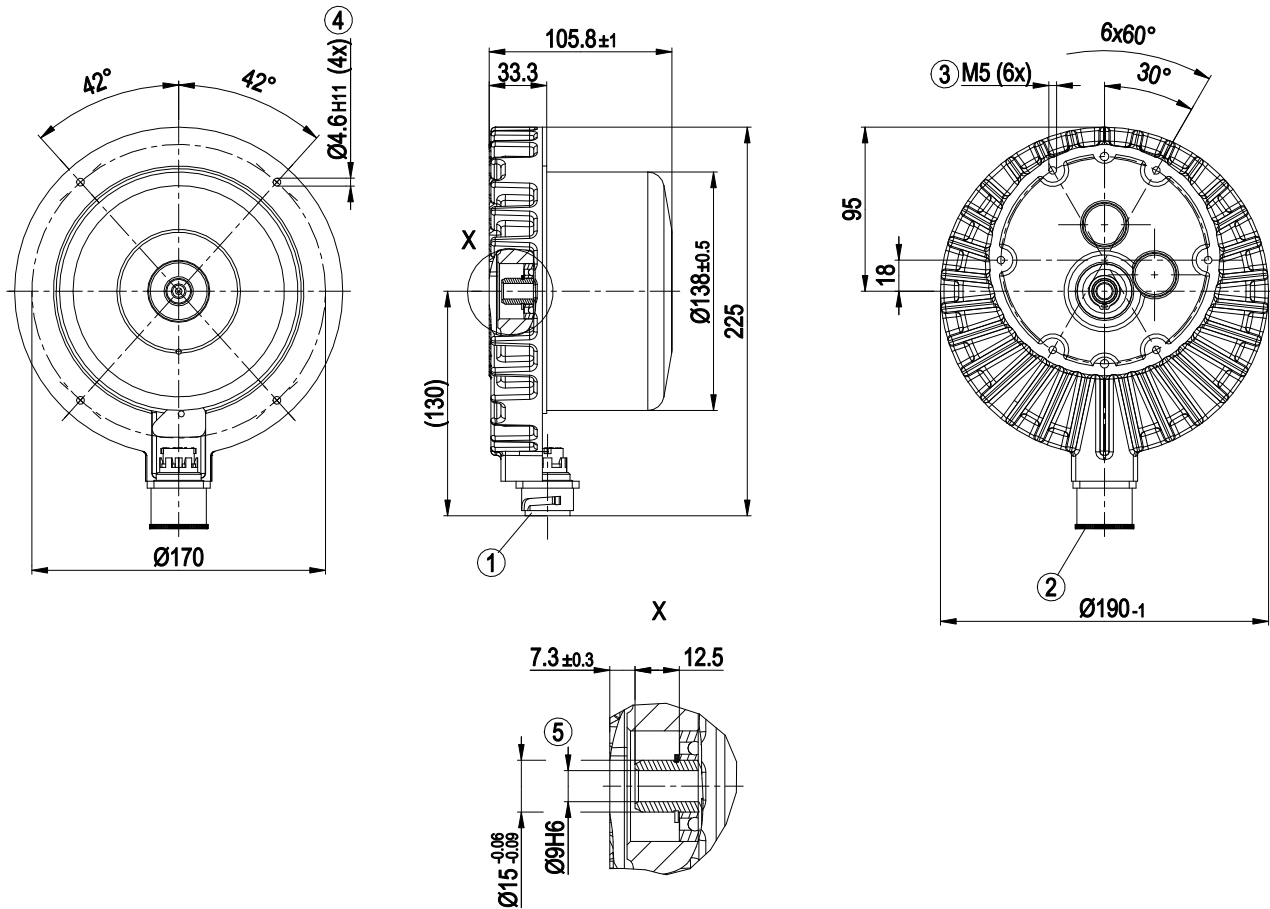


**Technical features**

<b>Mass</b>	5.82 kg
<b>Size</b>	112 mm
<b>Surface of rotor</b>	Coated in black
<b>Stator bush material</b>	Aluminium
<b>Direction of rotation</b>	Right and left
<b>Type of protection</b>	IP 22
<b>Insulation class</b>	"F"
<b>Humidity (F)/environmental protection class (H)</b>	H0 - dry environment
<b>Max. permissible ambient motor temp. (transp./ storage)</b>	+80 °C
<b>Min. permissible ambient motor temp. (transp./storage)</b>	-40 °C
<b>Mounting position</b>	Any
<b>Condensate discharge holes</b>	None
<b>Operation mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Electrical leads</b>	With plug
<b>Cable exit</b>	Lateral
<b>Protection class</b>	I (if protective earth is connected by customer)
<b>Product conforming to standard</b>	EN 61800-5-1
<b>Approval</b>	CSA C22.2 No.100; UL 1004-1



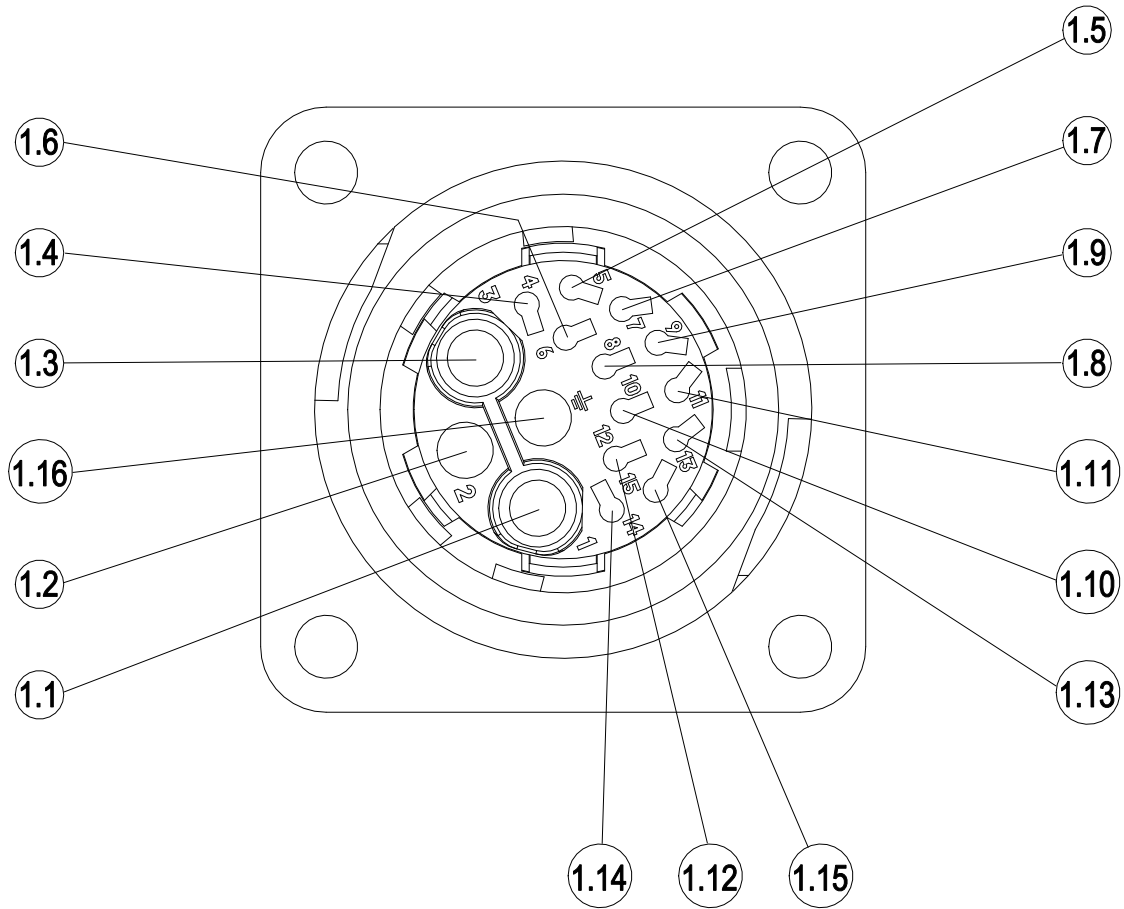
Product drawing



1	Connector housing Amphenol no. C016 10C015 000 5 with number of poles 12 + 3 + PE, 4x plug pin HN01 016 0002(1), 6x plug pin HN01-015-0046-2
2	Protective cap Art.: N080300006
3	Thread reach max. 10 mm
4	Hole 12 deep
5	Hole 18 deep
Detailed dimensioning as per drawing 37312-2-2512 at the responsibility of Bauer Gear Motor SK	



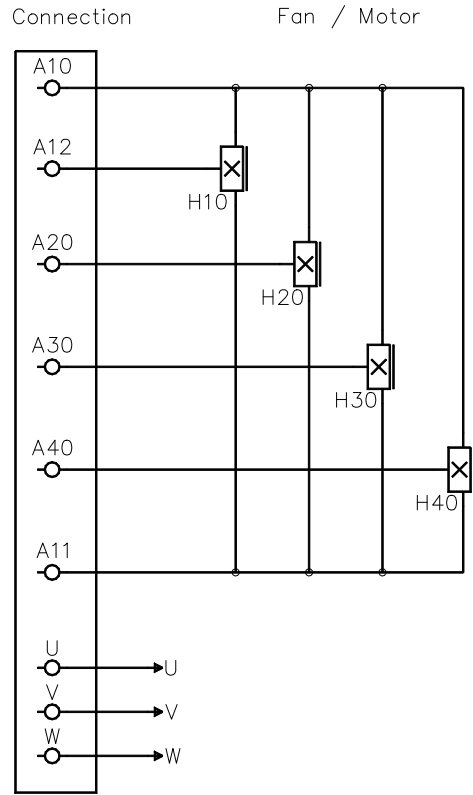
Accessory part



1.1	V/Z motor line
1.2	W/X motor line
1.3	U/Y motor line
1.4	not used
1.5	Position indicator 2 (Hall 20)
1.6	not used
1.7	Position indicator 3 (Hall 30)
1.8	not used
1.9	Position indicator 1 (Hall 10)
1.10	not used
1.11	Position indicator 4 (tacho)
1.12	not used
1.13	+ (10-24 V)
1.14	not used
1.15	- (earth)
1.16	PE



## Connection screen



No.	Conn.	Designation	Function / assignment
	A10		Power supply 10-24 V
	A12	Lagegeber 1	Hall signal H10
	A20	Lagegeber 2	Hall signal H20
	A30	Lagegeber 3	Hall signal H30
	A40	Lagegeber 4	Gear sensor H40
	A11	-	GND
	U		Coil connection U
	V		Coil connection V
	W		Coil connection W



Charts: Speed (rpm)

