EC motor

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Nominal data

Type	**M1G055-BD89-50**
Motor	**M1G055-BD**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50/60	50/60
Type of data definition		cs	cs
Speed	min^{-1}	1650	1750
Power input	W	14.4	12
Power output	W	9.5	7.2
Current draw	A	0.125	0.1
Rated torque	Ncm	5.5	4
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	50	50

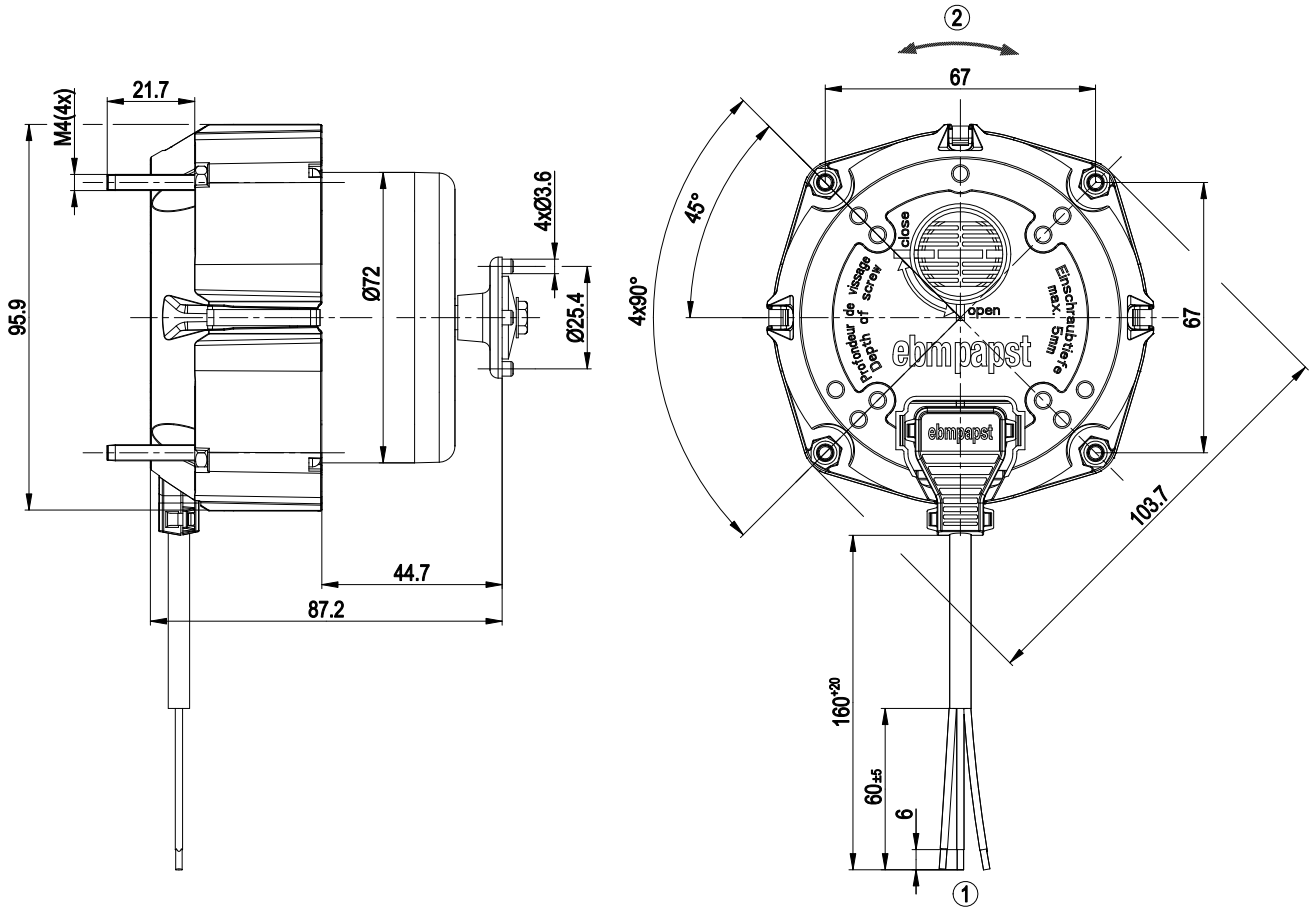
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

Technical features

Mass	0.9 kg
Size	55 mm
Surface of rotor	Coated in black
Material of electronics housing	PP plastic
Housing material	Die-cast aluminium
Direction of rotation	Right and left
Type of protection	IP 54
Insulation class	"B"
Humidity class	F3-1
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Direction of rotation selection counter-clockwise / clockwise - Soft start - Over-temperature protected motor
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	II
Product conforming to standard	EN 60335-1; CE
Approval	UL 2111; VDE; CSA C22.2 Nr.77

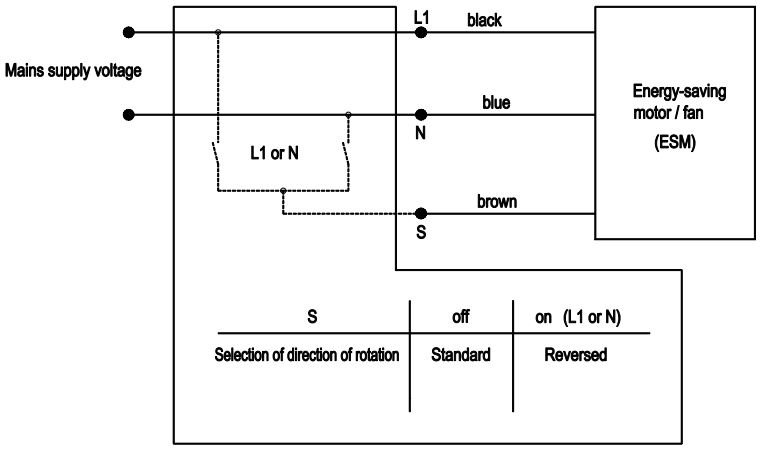
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Product drawing



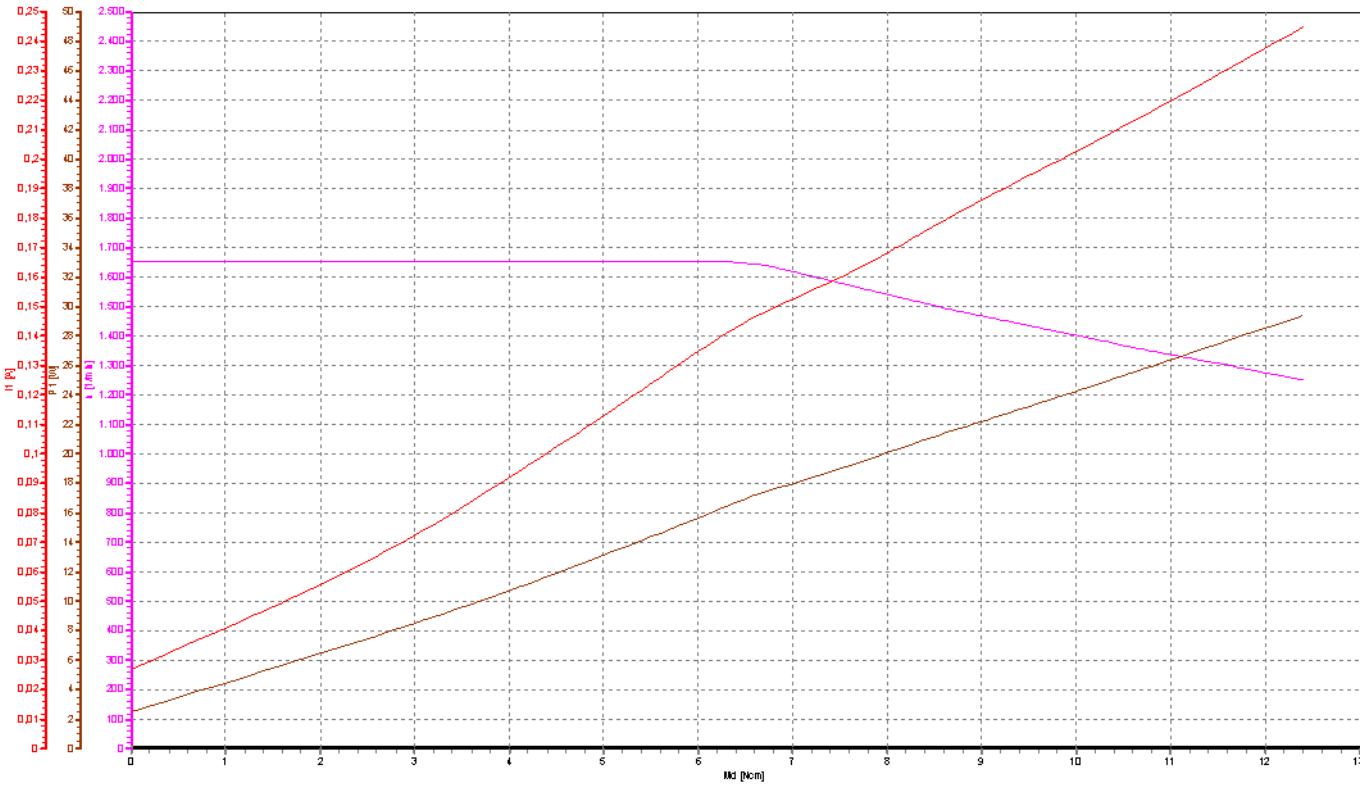
1	Connection line AWG20, 3x brass lead tips crimped
2	Direction of rotation counter-clockwise, seen on rotor, speed 1650 rpm
	Direction of rotation clockwise, seen on rotor, speed 1750 rpm

Connection screen



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Charts: Speed



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