EC motor

M1G055-BD91-37 ebmpapst Datasheet

sales@fansco.com

www.fansco.com

Nominal data

Type	M1G055-BD91-37		
Motor	M1G055-BD		
Phase		1~	1~
Nominal voltage	VAC	230	230
Nominal voltage range	VAC	196 .. 254	
Frequency	Hz	50/60	50/60
Method of obtaining data		cs	
Speed (rpm)	min^{-1}	2200	1800
Power consumption	W	25	
Power output	W	17	15
Current draw	A	0.2	
Rated torque	Ncm	7	
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	50	50

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

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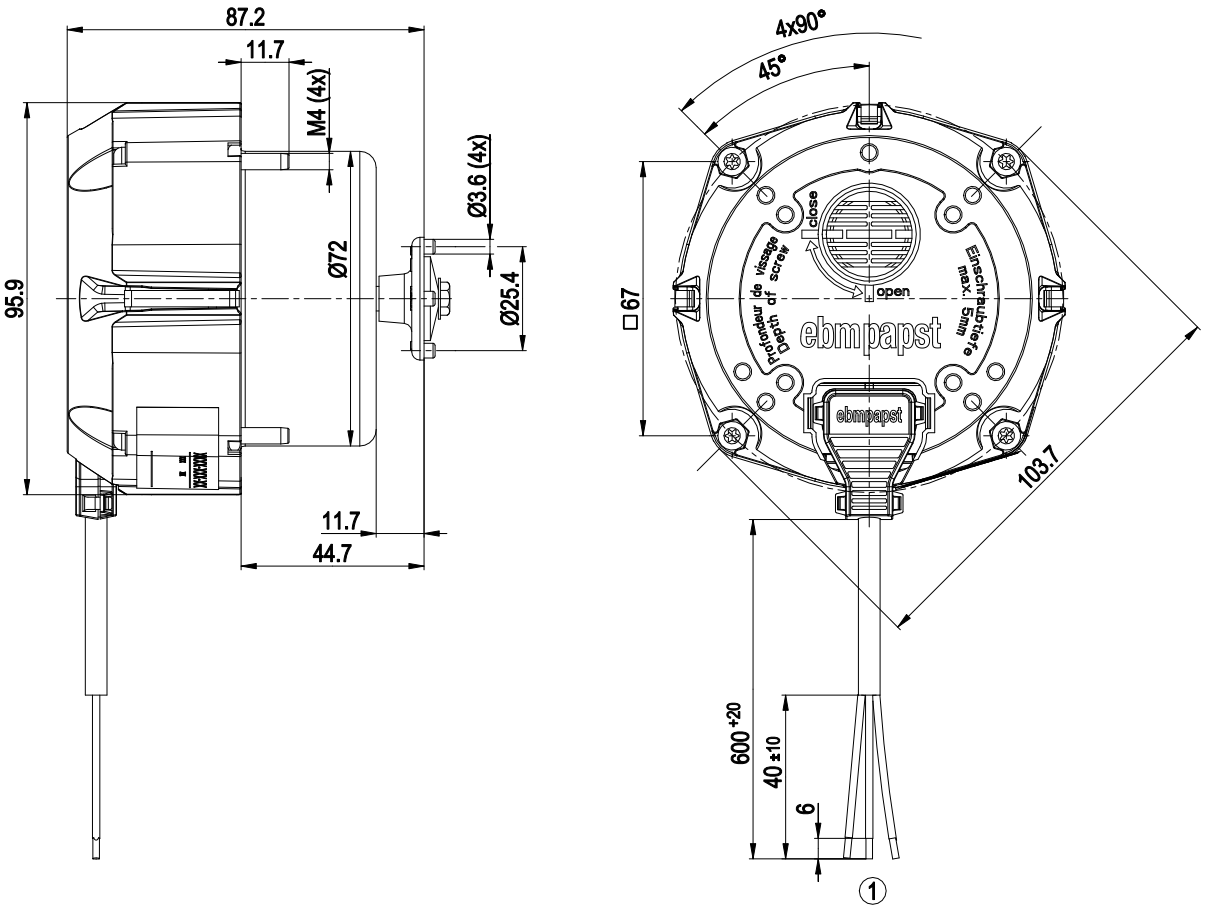
Technical description

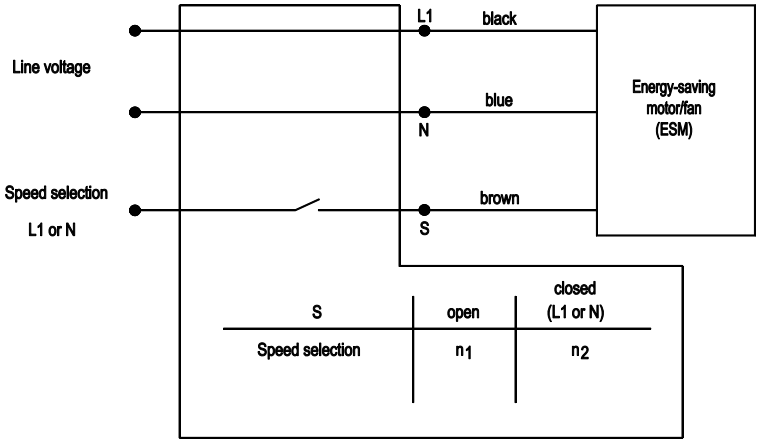
Weight	0.9 kg
Motor size	55
Rotor surface	Painted black
Electronics housing material	Die-cast aluminum
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP54
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
Max. permitted ambient temp. for motor (transport/storage)	+80 °C
Min. permitted ambient temp. for motor (transport/storage)	-40 °C
Installation position	Any
Condensation drainage holes	None
Mode	S1
Motor bearing	Ball bearing
Technical features	- Speed setting input (230 V) - ESM+ expandable with plug-in module - Soft start - Thermal overload protection for motor
Speed levels	2
EMC immunity to interference	According to EN 61000-6-2 (industrial environment)
EMC circuit feedback	According to EN 61000-3-2/3
EMC interference emission	According to EN 61000-6-3 (household environment)
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	<= 3.5 mA
Motor protection	Thermal switch auto reset, internally connected
With cable	Lateral
Protection class assignment	II; This component for installation may have several local protection classes. This information relates to this component's basic design. The final protection class is based on the components' intended installation and connection.
Conformity with standards	EN 60034-1; EN 60204-1; EN 60335-1; EN 60335-2-24; EN 60335-2-80; EN 60335-2-89; CE
Approval	VDE; CSA C22.2 No. 77; UL 1004-3

Product drawing



1	Cable PVC AWG20		3x splice

Connection diagram



Curves: Speed (rpm)