EC motor

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Nominal data

Type	**M3G112-GA33-25**
Motor	**M3G112-GA**

Phase		1~
Nominal voltage	VAC	230
Nominal voltage range	VAC	200 .. 277
Frequency	Hz	50/60
Type of data definition		ml
State		prelim.
Speed	min^{-1}	1100
Power input	W	760
Power output	W	640
Current draw	A	3.4
Rated torque	Ncm	550
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	40

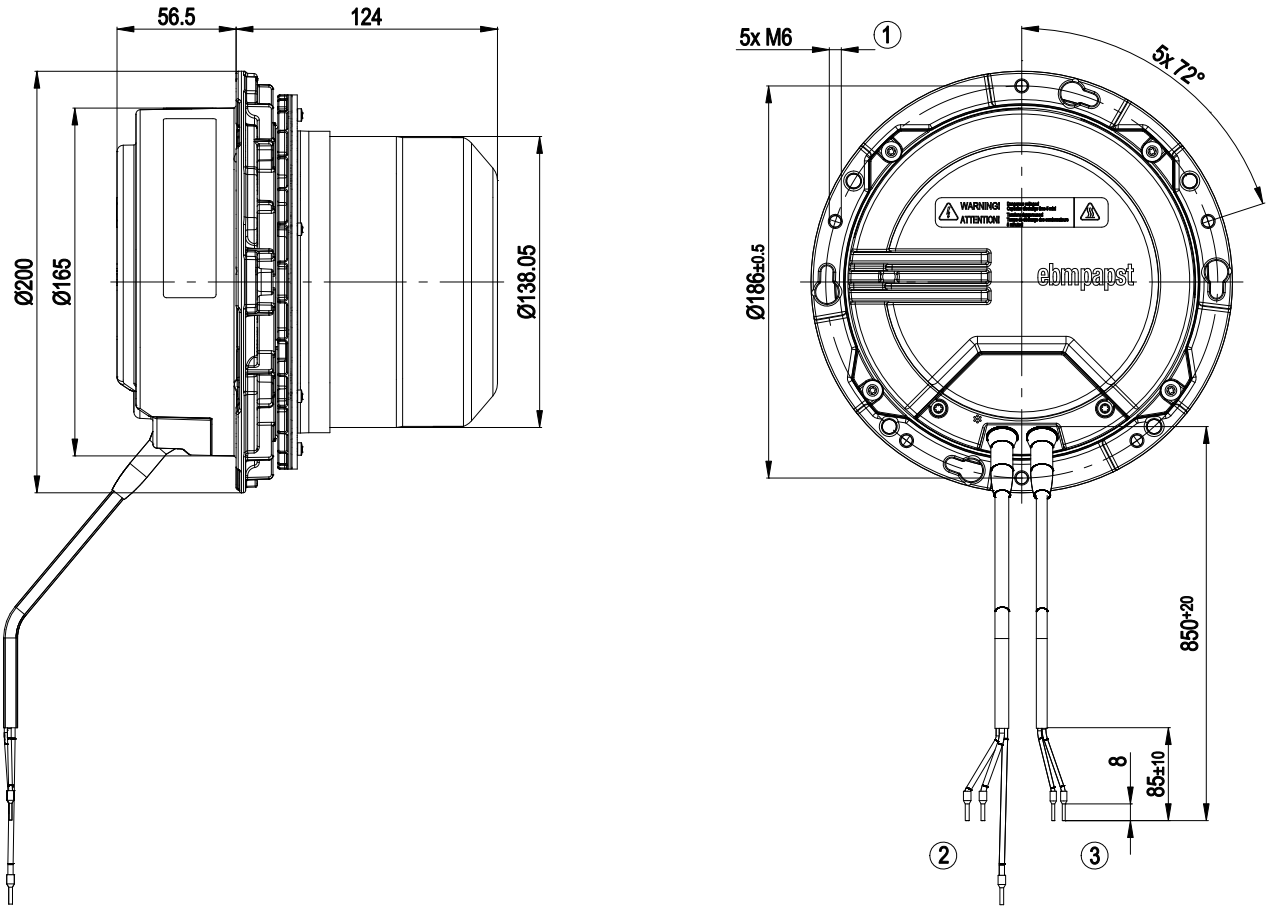
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

Technical features

Mass	8 kg
Size	112 mm
Material of electronics housing	Die-cast aluminium
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 54
Insulation class	"B"
Humidity class	F4-1
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Mounting position	Any (no moisture, no condensation)
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Output 15 VDC, max. 30 mA - Integrated PID controller - Motor current limit - PFC, active - RS485 ebmBUS - Soft start - Over-temperature protected electronics / motor - Line undervoltage / phase failure detection
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 61000-6-4 (industrial environment)
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	<= 3.5 mA
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Variable
Protection class	I (if earth wire is connected by customer)
Product conforming to standard	EN 61800-5-1

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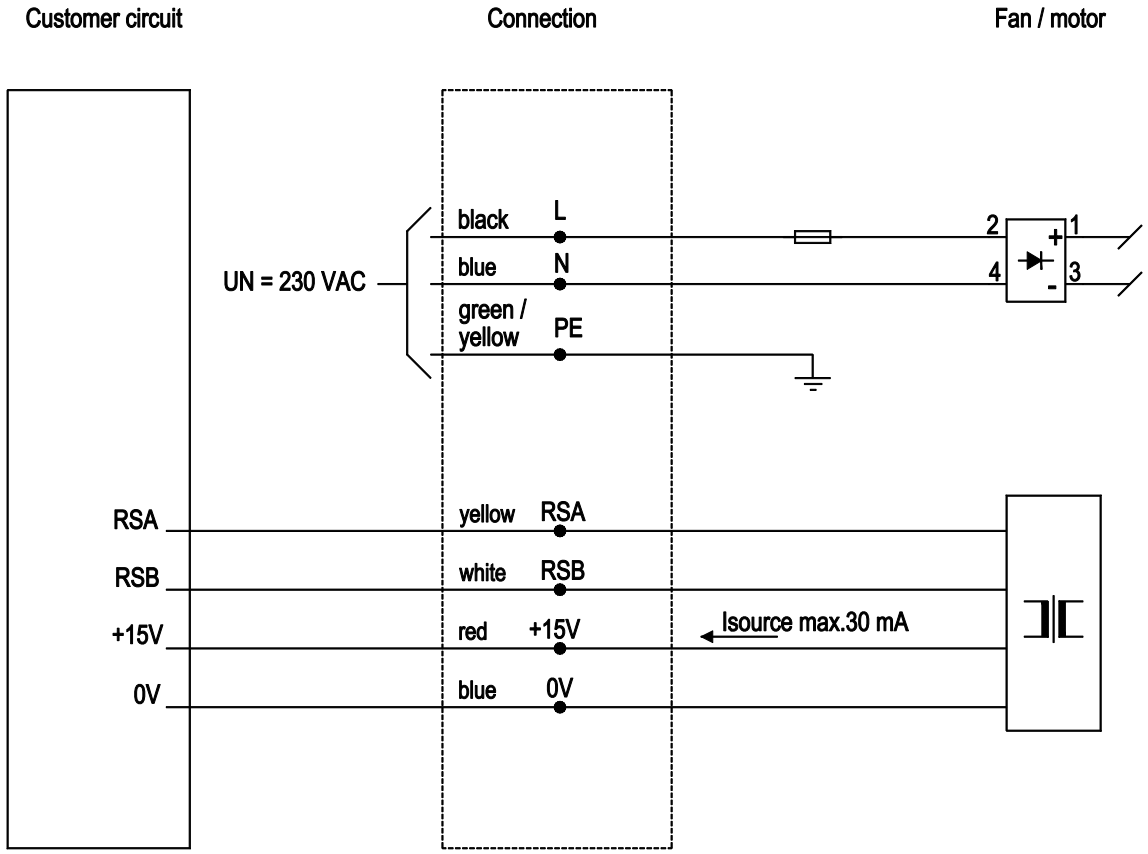
Product drawing



1	Depth of screw 12-16 mm
2	Sheathed flexible cable PVC, 3 x crimped core-end sleeves
3	Sheathed flexible cable PVC, 2 x crimped core-end sleeves

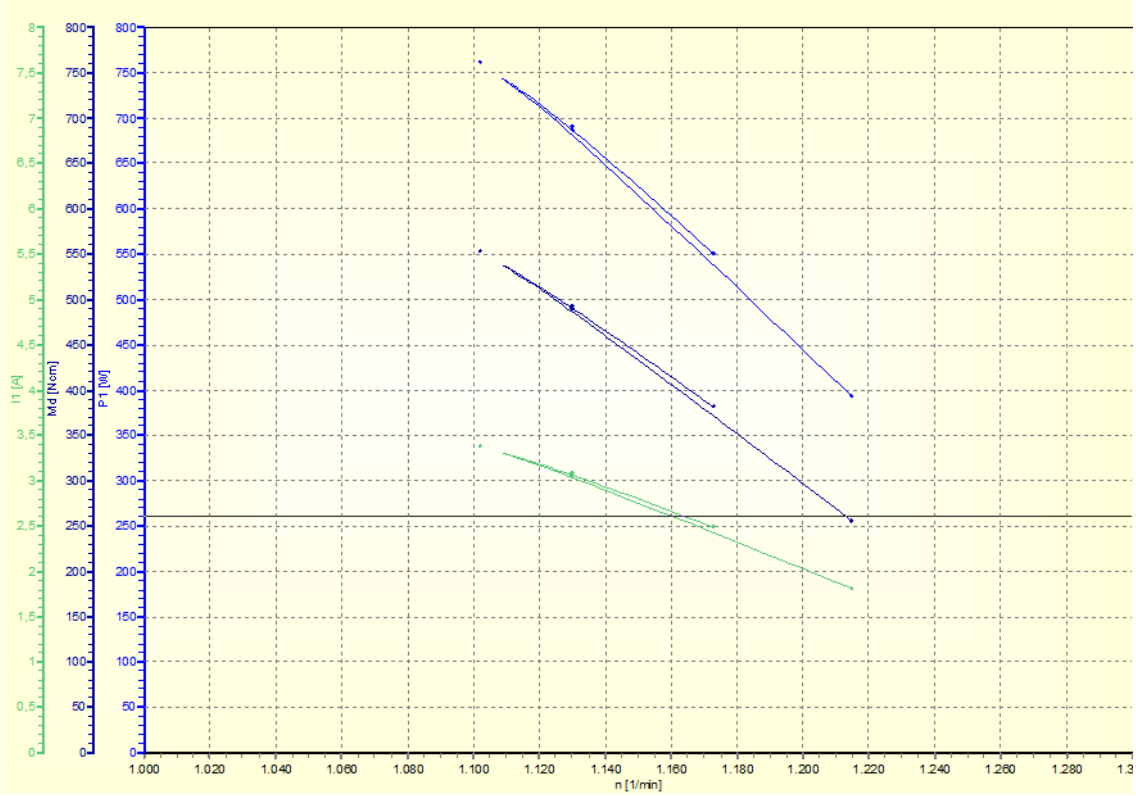
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Connection screen



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Charts: Speed



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