AC motor

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Nominal data

Type	**M2E042-CA08-31**
Motor	**M2E042-CA**

Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50	60
Type of data definition		me	me
Valid for approval / standard		CE	CE
Speed (rpm)	min^{-1}	2500	2500
Power input	W	38	38
Power output	W	11	11
Current draw	A	0.34	0.34
Rated torque	Ncm	4.2	4.2
Medium start-up torque	Ncm	4.2	4.2
Motor capacitor	µF	6	6
Capacitor voltage	VDB	220	220
Capacitor standard		S2 (CE)	S2 (CE)
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	-	-

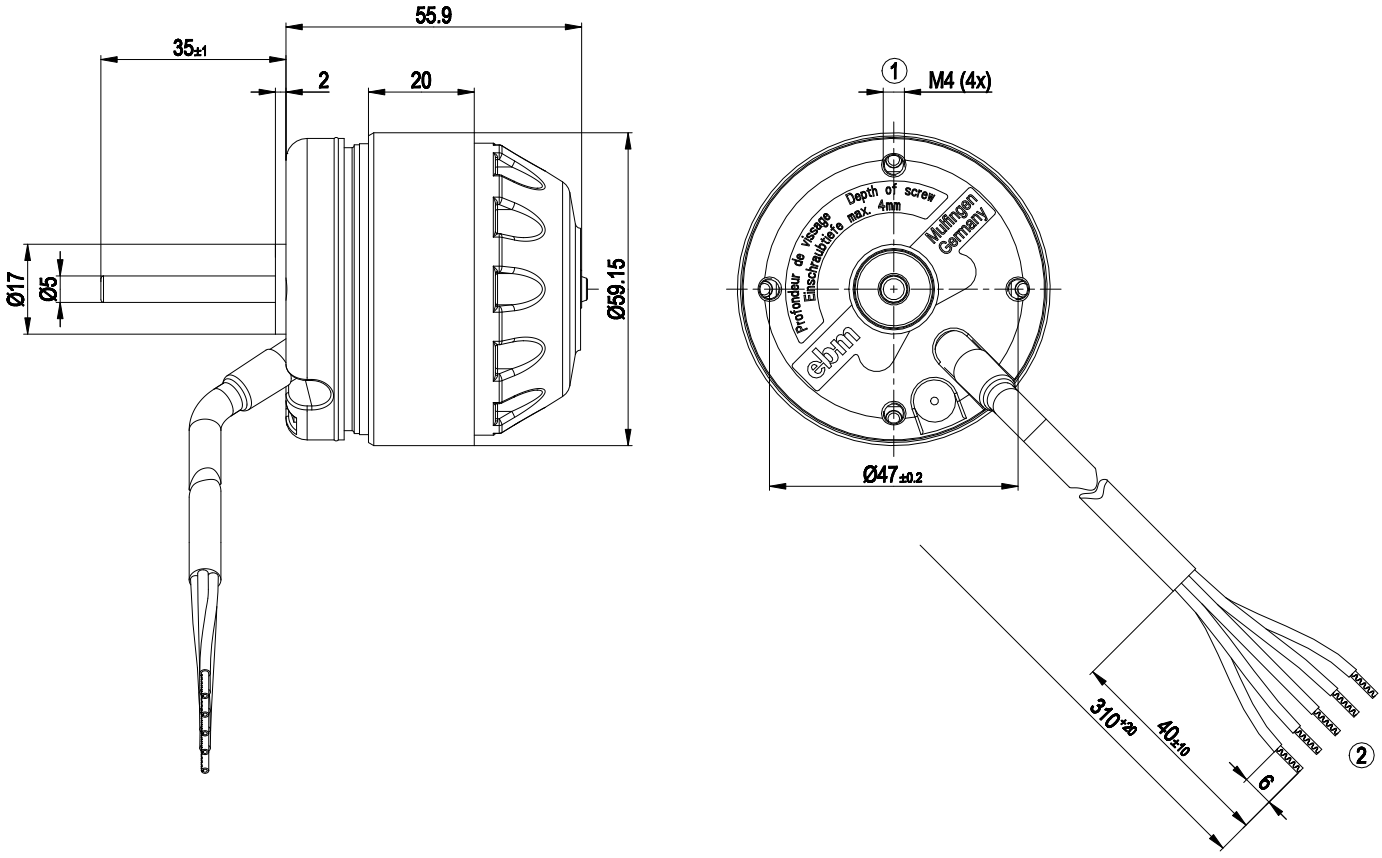
ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations

Technical features

Mass	0.5 kg
Size	42 mm
Surface of rotor	Coated in black
Direction of rotation	Right and left
Type of protection	IP 44; Depending on installation and position
Insulation class	"B"
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
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1, motor does not have factory-installed overheating protection
Approval	CSA C22.2 No.100; UL 1004-1

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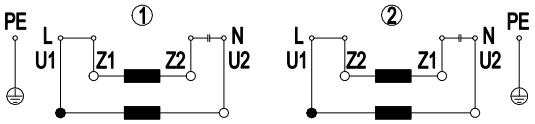
Product drawing



1	Thread reach max. 4 mm
2	Connection line PVC AWG20, 4x lead tips crimped, connection line ETFE AWG20, 1x lead tip crimped

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Connection screen

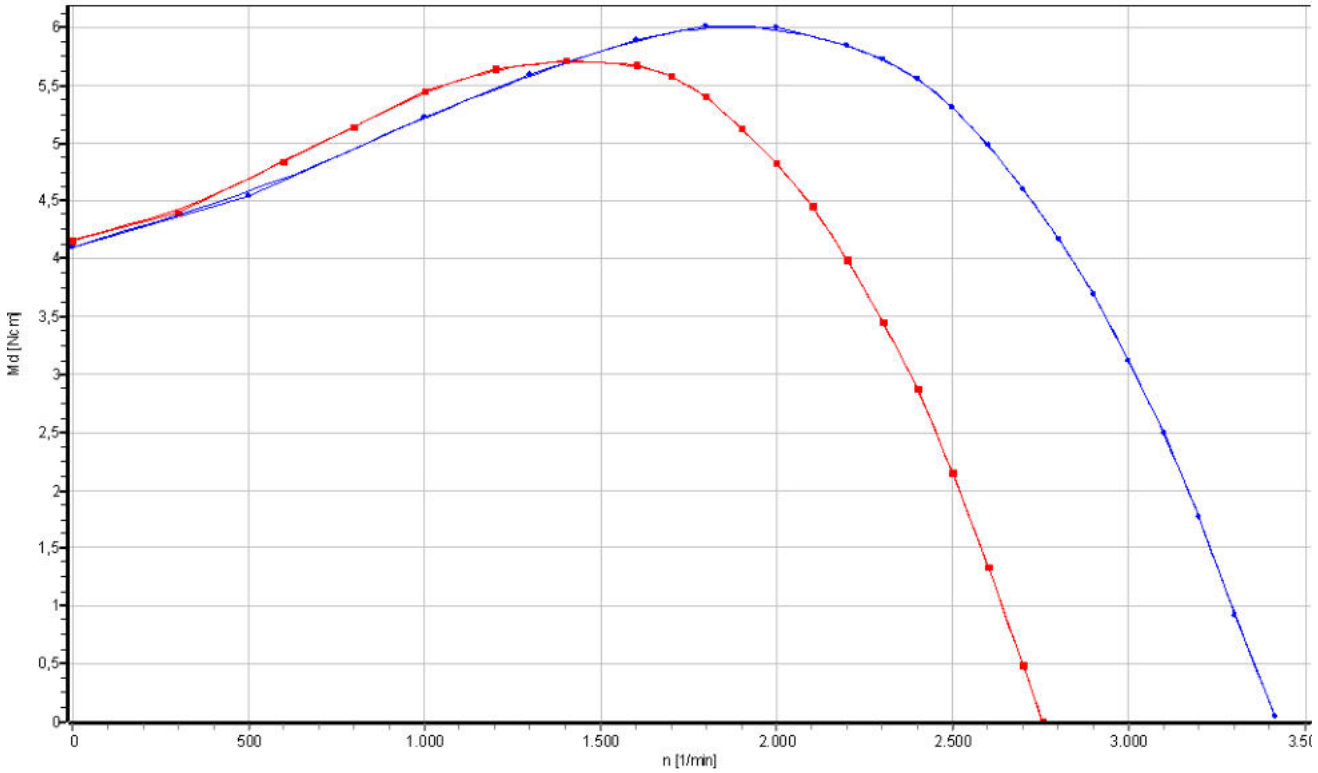


Single-phase AC motor with operating capacitor

1	Clockwise operation
2	Counter-clockwise operation
U1	black
U2	grey
Z1	blue
Z2	brown
PE	green/yellow

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Charts: Speed (rpm)



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