

**ebm-papst Mulfingen GmbH & Co. KG**

Bachmühle 2 · D-74673 Mulfingen

Phone +49 7938 81-0

Fax +49 7938 81-110

info1@de.ebmpapst.com

www.ebmpapst.com

Limited partnership · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

Amtsgericht (court of registration) Stuttgart · HRB 590142

**Nominal data**

Type	M4E068-EC01-40		
Motor	M4E068-EC		
Phase		1~	1~
Nominal voltage	VAC	220	230
Frequency	Hz	60	50
Method of obtaining data		me	me
Valid for approval/standard		CE	CE
Speed (rpm)	min <sup>-1</sup>	1500	1200
Power consumption	W	95	120
Power output	W	50	60
Current draw	A	0.45	0.52
Rated torque	Ncm	32	48
Mean starting torque	Ncm	20	33
Capacitor	µF	3	4
Capacitor voltage	VDB	450	450
Capacitor standard		S0 (CE)	
Max. ambient temperature	°C	40	40
Starting current	A	0.52	0.64

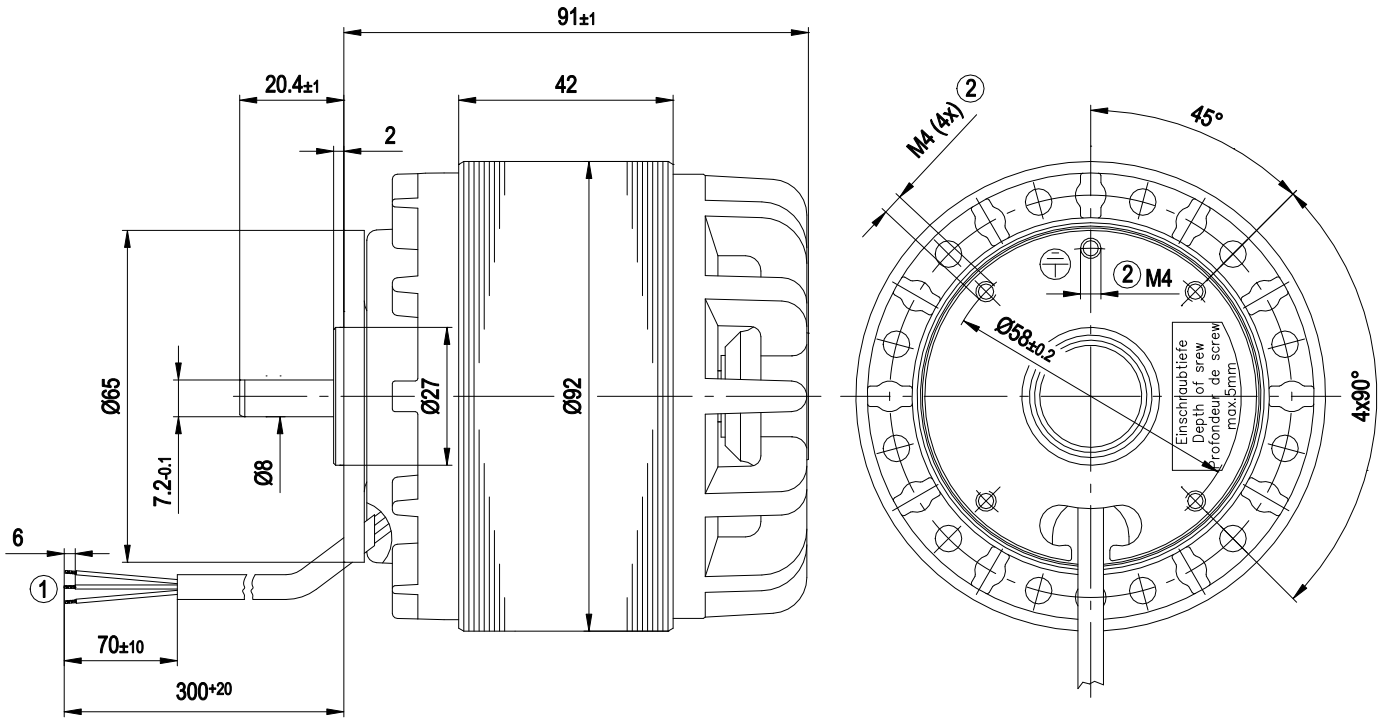
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment  
Subject to change



## Technical description

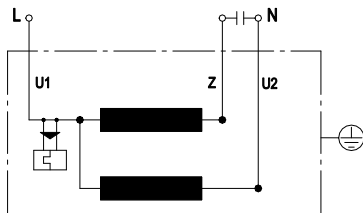
<b>Weight</b>	2.1 kg
<b>Motor size</b>	68
<b>Rotor surface</b>	Rotor open, painted black
<b>Direction of rotation</b>	Clockwise, viewed toward rotor
<b>Degree of protection</b>	IP10
<b>Insulation class</b>	"B"
<b>Moisture (F) / Environmental (H) protection class</b>	H0 - dry environment
<b>Max. permitted ambient temp. for motor (transport/storage)</b>	+ 80 °C
<b>Min. permitted ambient temp. for motor (transport/storage)</b>	- 40 °C
<b>Installation position</b>	Any
<b>Condensation drainage holes</b>	None, open rotor
<b>Mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)</b>	< 0.75 mA
<b>Motor protection</b>	Thermal switch auto reset, internally connected
<b>Protection class assignment</b>	I; If a protective earth is connected by the customer to the marked PE connection point. 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 component's intended installation and connection.
<b>Conformity with standards</b>	EN 60335-1; CE
<b>Approval</b>	EAC

Product drawing



- 1 Cable A03VV-F3X0.5, 3x crimped splices
- 2 Max. clearance for screw 5 mm

Connection diagram



U1	blue	Z	brown	U2	black
----	------	---	-------	----	-------



## Curves: Speed (rpm)

