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Nominal data

Type	M4Q045-BD01-01		
Motor	M4Q045-BD		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		me	me
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	1300	1550
Power consumption	W	29	26
Power output	W	5	5
Current draw	A	0.19	0.17
Rated torque	Ncm	3	3
Mean starting torque	Ncm	2.2	1.7
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	40	40
Starting current	A	0.25	0.22

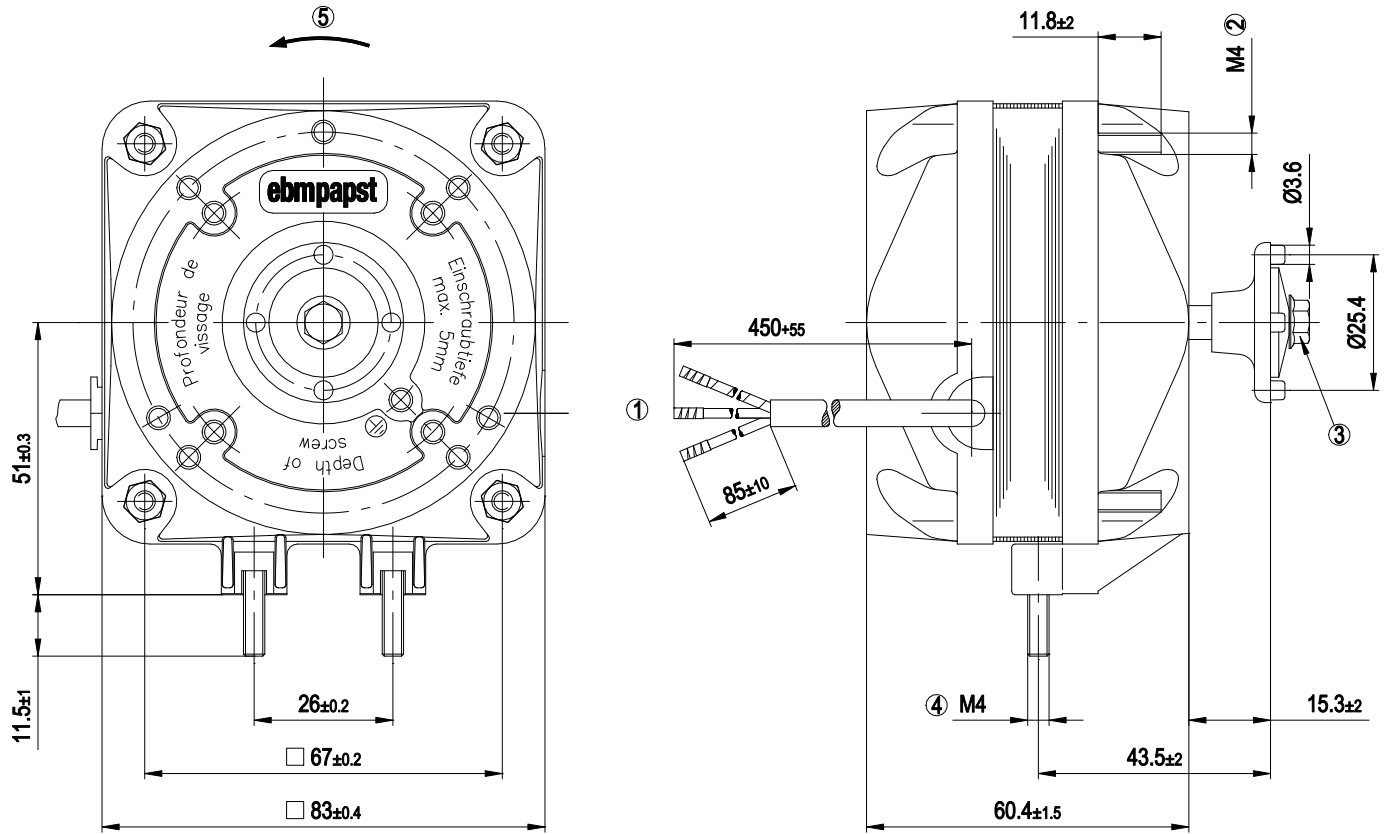
ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



Technical description

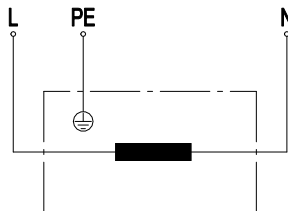
Weight	0.85 kg
Motor size	45
Bearing shield material	Die-cast aluminum
Direction of rotation	Counterclockwise, viewed toward rotor
Degree of protection	IP42
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H1
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any, preferably horizontal
Condensation drainage holes	None
Mode	S1
Motor bearing	Calotte bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Impedance protection
With cable	Lateral
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	VDE; EAC

Product drawing



- | | |
|---|--|
| 1 | Cable PVC, 3x crimped splices |
| 2 | Tightening torque for nuts to fasten fan housing or guard grille: 2.3 Nm |
| 3 | Tightening torque for screw to fasten fan impeller: 1.4 Nm |
| 4 | Tightening torque for nuts to fasten mounting bracket: 2.3 Nm |
| 5 | Direction of rotation counterclockwise, viewed toward shaft end |

Connection diagram



L	blue	PE	green/yellow	N	brown
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Curves: Speed (rpm)

