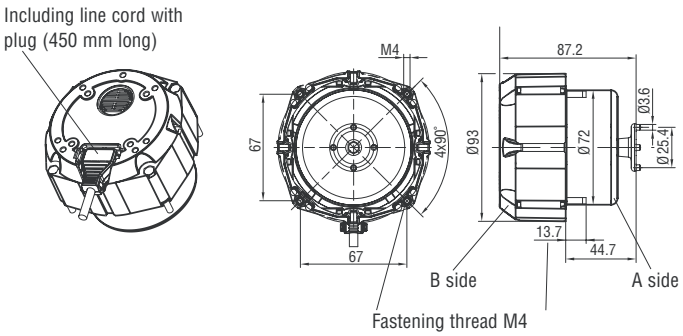
Energy-saving motors (ESM)

- **Material:** Housing made of die-cast aluminium
  Rotor: Coated in black
- **Direction of air flow:** "V" or "A" (depending on axial impeller used)
- **Direction of rotation:** Counter-clockwise, seen on shaft end
- **Type of protection** : IP 54
- **Insulation class:** "B"
- **Mounting position:** Any
- **Condensate discharges:** None
- **Mode of operation:** Continuous operation (S1)
- **Bearings:** Maintenance-free ball bearings

Nominal data	Curve	Nominal voltage	Frequency	Upper speed (1)	Lower speed (1)	Power input	Power output	Perm. amb. temp.	Mass
Type		**VAC**	**Hz**	**rpm**	**rpm**	**W**	**W**	**°C**	**kg**
M1G055-BD95 -12	Ⓐ	1~ 115	50/60	2200	1500	22.0	15.0	-30 to +50	0.9
M1G055-BD91 -12	Ⓐ	1~ 230							
M1G055-BD95 -16	Ⓑ	1~ 115	50/60	1750	1300	22.0	12.5	-30 to +50	0.9
M1G055-BD91 -16	Ⓑ	1~ 230							
M1G055-BD95 -21	Ⓒ	1~ 115	50/60	1550	1100	21.0	10.4	-30 to +50	0.9
M1G055-BD91 -21	Ⓒ	1~ 230							

subject to alterations

(1) preprogrammed speeds



– **Motor protection:** Via electronics
– **Electrical connection:** Line cord with plug
– **Protection class:** II
– **Product conforming to standard:** CE
– **Approvals:** VDE, UL

– **Speed settings:** The pre-programmed upper speed is reached with the speed relay open; lower speed is reached when the speed relay is closed.
Speeds from 10% to 100% of the maximum speed can be preset using the programming unit. However, we recommend not allowing it to fall below 1000 rpm (ⒶⒷⒸ).
– **Mounting:** Guard grille and wall ring are mounted onto the protruding thread ends of the A side.
– **Axial impeller mounting:** Mounted to the motor shaft using a plastic adapter with pulling peg and an M4 screw.

– **Electr. connection:**