

Data sheet for SIMOTICS M-1PH1

Article No. : 1PH1101-1HF10-2GA0



Figure similar

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data

| | |
|--|------------|
| Rated power | 3.7 kW |
| Rated speed | 1,500 rpm |
| Rated torque | 24.0 Nm |
| Rated current | 10.3 A |
| Rated voltage | 326 V |
| Maximum speed | 10,000 rpm |
| Maximum current | 20.6 A |
| Power for duty type S6-25%, maximum | 5.55 kW |
| Standstill torque for duty type S6-25%, maximum | 36.0 Nm |
| Standstill current for duty type S6-25%, maximum | 15.0 A |
| Field weakening speed, max. | 4,300 rpm |
| Supply voltage, max. | 355 V |
| Line frequency | 53.3 Hz |

Ambient conditions

| | |
|---------------------|---------------|
| Ambient temperature | |
| Operation | -15 ... 40 °C |
| Storage | -20 ... 65 °C |
| Relative humidity | |
| Max. operation | 90 % |
| Bearing, max. | 95 % |

Mechanical data

| | |
|---------------------------|---------------------------------------|
| Motor type | Squirrel cage asynchronous motor |
| Shaft height | 100 |
| Cooling | Forced-air cooling via fan |
| Vibration severity grade | Grade B |
| Degree of protection | IP54 |
| Design acc. to Code I | IM B3 / IM V5 |
| Color | Anthracite 614 / ~ RAL7016 |
| Shaft end | Feather key with half key balancing |
| Sound pressure level (1m) | 72 dB |
| Thermal class | F |
| Mounting type | Foot-mounted |
| Encoder system | Absolute encoder single-turn (20 bit) |