

Data sheet for SIMOTICS M-1PH1

Article No. : 1PH1131-1HD12-2GA0



Figure similar

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

Item no. :
Consignment no. :
Project :

Engineering data

| | |
|--|-----------|
| Rated power | 7.5 kW |
| Rated speed | 1,000 rpm |
| Rated torque | 71.6 Nm |
| Rated current | 26.6 A |
| Rated voltage | 220 V |
| Maximum speed | 6,000 rpm |
| Maximum current | 53.2 A |
| Power for duty type S6-25%, maximum | 11.25 kW |
| Standstill torque for duty type S6-25%, maximum | 107.0 Nm |
| Standstill current for duty type S6-25%, maximum | 38.0 A |
| Field weakening speed, max. | 5,000 rpm |
| Supply voltage, max. | 355 V |
| Line frequency | 35.2 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 | 132 |
| Cooling | Forced-air cooling via fan |
| Vibration severity grade | Grade B |
| Degree of protection | IP54 |
| Design acc. to Code I | IM B5 / IM V1 |
| Color | Anthracite 614 / ~ RAL7016 |
| Shaft end | Feather key with half key balancing |
| Sound pressure level (1m) | 72 dB |
| Thermal class | F |
| Mounting type | Flange (round) |
| Encoder system | Absolute encoder single-turn (20 bit) |