

Data sheet for SIMOTICS M-1PH1

Article No. : 1PH1105-1LD12-1GA0



Figure similar

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

Item no. :
Consignment no. :
Project :

Engineering data

| | |
|--|-----------|
| Rated power | 5.5 kW |
| Rated speed | 1,000 rpm |
| Rated torque | 53.0 Nm |
| Rated current | 18.8 A |
| Rated voltage | 265 V |
| Maximum speed | 6,000 rpm |
| Maximum current | 37.6 A |
| Power for duty type S6-25%, maximum | 8.25 kW |
| Standstill torque for duty type S6-25%, maximum | 79.5 Nm |
| Standstill current for duty type S6-25%, maximum | 27.0 A |
| Field weakening speed, max. | 4,600 rpm |
| Supply voltage, max. | 355 V |
| Line frequency | 36.4 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 B5 / IM V1 |
| Color | Anthracite 614 / ~ RAL7016 |
| Shaft end | Feather key with full key balancing |
| Sound pressure level (1m) | 72 dB |
| Thermal class | F |
| Mounting type | Flange (round) |
| Encoder system | Incremental encoder, TTL 2500 ppr (13 bit) |