

## Data sheet for SIMOTICS M-1PH1

Article No. : 1PH1131-1HF12-2GA0



Figure similar

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

Item no. :  
Consignment no. :  
Project :

### Engineering data

|  |           |
|--|-----------|
| Rated power                                      | 11.0 kW   |
| Rated speed                                      | 1,500 rpm |
| Rated torque                                     | 70.0 Nm   |
| Rated current                                    | 28.8 A    |
| Rated voltage                                    | 295 V     |
| Maximum speed                                    | 8,000 rpm |
| Maximum current                                  | 57.5 A    |
| Power for duty type S6-25%, maximum              | 16.50 kW  |
| Standstill torque for duty type S6-25%, maximum  | 105.0 Nm  |
| Standstill current for duty type S6-25%, maximum | 41.0 A    |
| Field weakening speed, max.                      | 5,000 rpm |
| Supply voltage, max.                             | 355 V     |
| Line frequency                                   | 51.5 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) |