



JCSD100

Product Range

0.4~2.2kW(0.5~3HP) 1-Phase 200~240Volts
 0.4~15kW(0.5~20HP) 3-Phase 200~240Volts
 0.4~75kW(0.5~100HP) 3-Phase 380~480Volts
 IP66 NEMA4X 0.4~15kW(0.5~20HP) 3-Phase 200~240Volts
 IP66 NEMA4X 0.4~22kW(0.5~30HP) 3-Phase 380~480Volts

JCMD100

Product Range

0.1~2.2kW (0.125~3HP) 1-Phase 200~240V
 0.18~0.75kW (0.25~1HP) 1-Phase 115V

JIE JC Drive



| Model name | | JCMD100 | JCSD100 | |
|-------------------------|------------------------|--|---|--|
| | | | IP20(NEMA1) | IP66(NEMA4X) |
| Voltage & Capacity | | 1Ø 230V : 0.125~3HP | 1Ø 230V 0.5~3.0HP 3Ø 230V 0.5~20HP 3Ø 460V 0.5~100HP | 3Ø 230V 0.5HP~20HP 3Ø 460V 0.5HP~30HP |
| Control Method | V/F Control | Standard | Standard | |
| | Sensor-less Vector | - | Standard | |
| | Sensored Vector | - | - | |
| Input Terminal | Multifunction Terminal | 5 Inputs (P1~P5) | 5 Inputs (P1~P5) | |
| | Analog Input (Current) | - | 1 Input (0~10V or 0~20mA) | |
| | Analog Input (Voltage) | 1 Inputs (0~10V) | | |
| | Relay Output | 2 Outputs (5 port) | 1 Output (3 port) | |
| Output Terminal | Open Collector Output | - | 1 Output (2 port) | |
| | Analog Output | 1 Outputs (0~10V) | 1 Output (0~10V or 0~20mA) <small>Note 1)</small> | |
| Enclosure Class | | IP20 | 0.5HP~100HP: IP20 (Standard), UL Type1 (Option) | 0.5HP~30HP : IP66 |
| Keypad | | LED 7-segment | LED 7-segment : 0.5~30HP LCD graphic : 40~100HP | LED 7-segment : 0.5~30HP |
| Remote Cable | | 1m/2m /3m /5m | 1m/2m / 3m/5m | |
| Brake Unit | | Standard built-in (2.0~3.0HP) | Standard built-in (0.5~30HP) Option (40~100HP) | Standard built-in (0.5~30HP) |
| EMC Filter | | Standard built-in (0.5~3.0HP) | Standard built-in (400V class 7.5~30HP) | - |
| DC Reactor | | - | Standard built-in (400V class 40~100HP) | - |
| Communications | | RS485 (Advanced I/O Standard built-in) | RS485 (Standard built-in), Modbus TCP, EtherCAT, EtherNet/IP, PROFINet, Profibus-DP, CANopen (Option) | |
| Cooling System | | Forced air cooling by fan | | |
| Ambient Temperature | | -10℃~50℃ (2.5% /℃ current derating at 40℃ or above 75% of the rated current operable at 50℃); without any ice or frost | | |
| Ambient Humidity | | Relative humidity 95% RH or below (without any dew formation) | | |
| Storage Temperature | | -20℃ ~ 65℃ | | |
| Surrounding Environment | | Non- corrosive gas, flammable gas, oil residue and dust at the indoor environment | | |
| Altitude | | 1,000m above sea level (From 1,000m or more, voltage/output current derating by 1% for every 100m elevation; up to 4,000m) | | |
| Vibration | | 9.8m/sec ² (1.0G) or below | | |
| Ambient Air Pressure | | 70 ~ 106kPa | | |
| Protective Function | Alarm | Stall prevention, overload, light load, fan failure, keypad command loss, speed command loss | | |
| | Trip | Overvoltage, overcurrent, undervoltage, external trip, grounding current detection, drive overheat, electric motor overheat, I/O phaseopen, overload protection, communication error, frequency command loss, hardware failure, cooling fan failure, no motor trip, etc. | | |

Note 1) In case of 40~100HP, Analog 1 output(0~10V) is additionally provided.