KELD | DRIVES — FARM

FARM0011

Mounted Wall Drive

for EC Motors



Single Phase
IM, PM, BLDC, SynRM

>95% efficiency
at 230V / 2.2 kW

2.2 kW	IP66	90–265 Vac
3.0 HP	Aluminum enclosure	Single Phase
POWER OUTPUT	PROTECTION	VOLTAGE RANGE

CORE FEATURES

- Vectorial FOC Algorithm · Sensorless control
- Sinusoidal output · Natural cooling
- Designed for very hard environments
- Surge protection module
- External Alarm blinking LED

INPUTS & OUTPUTS

- Alarm Relay + Configurable Aux. Relay
- Start / Stop Input
- 0–10 V / 10–0 V Speed Regulation
- Motor Temp. Sensor (Clixon)

PROTECTIONS

Supply/Input

- Under/Overvoltage Protection
- Inrush-Current Protection

Motor/Output

- Short-Circuit Protection
- Overload Protection
- Locked-Rotor Protection
- Phase-Loss Protection

Internal

- Overtemperature Protection

COMMUNICATIONS

Modbus RS-485
RTU protocol

TECHNICAL SPECIFICATIONS

Output Voltage

FARM0011
0–265 Vac, 3-phase

Dimensions	220 x 215 x 165 mm
Mounting	Wall Mount
IP Protection	IP66
Power Supply	Single Phase 230 Vac (±20%), 50/60 Hz
Power Factor	>99% (Active PFC)
Power Output	2.2 kW / 3.0 HP
Output Frequency	0–400 Hz
Output Current	8.4 Arms
Approvals	CE · UL · RoHS
Humidity	0–95% (non-condensing)
Altitude	2000 m (derate above 1000 m: 1%/100 m)
Operating Temp.	10°C to 50°C (Tj >40°C derating)
Storage Temp.	-40°C to 70°C

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Polígono Empresarium · C/Lentisco, 15 · 50720 La Cartuja Baja · Zaragoza (Spain)
+34 976 429 099 · keld@keld.es