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FR-E720S-110-NA

VSD/VFD - Mitsubishi - FR-E700 series - Single-phase input - 11A / 2.2kW / 3HP

Variable Speed/Frequency Drive (VSD/VFD) / Inverter - US/CA/MX specification - Mitsubishi Electric (FREQROL FR-E700 series) - input 200Vac-240Vac (Single-phase / 1P) - 2.2kW / 3HP - 11A - frequency (output) 0.2-400Hz - with Modbus RTU communication capability - IP20 - input voltage nominal values 220Vac / 230Vac - equivalent to FRE720S110NA



Brand
Mitsubishi Electric

Online Price
\$1,115.00

IN STOCK

-

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quote

FR-E720S-110-NA MITSUBISHI ELECTRIC - FREQROL FR-E700 SERIES

Specifications

Primary brand
Mitsubishi Electric

Main function
Variable Speed/Frequency Drive (VSD/VFD) / Inverter

Product series / family name

FUNCTIONS

Variable Speed/Frequency Drive (VSD/VFD) / Inverter

Soft-PWM control

High carrier frequency PWM control

Maximum/minimum frequency setting

Frequency jump operation

Automatic restart after instantaneous power failure operation

Forward/reverse rotation prevention

Remote setting

Second function

Multi-speed operation

Stop-on-contact control

Droop control

Regeneration avoidance

Slip compensation

Operation mode selection

Offline auto tuning function

External thermal relay input selection

Computer link operation (RS-485)

Brake sequence

PID control

Design

US/CA/MX specification

Forced air cooling

Supply voltage (AC)

200Vac-240Vac

(220Vac / 230Vac)

Type of network

Single-phase / 1P

Rated current

11A

150% In for 60s / 200% In for 3s overload current rating (inverse-time characteristic)

Rated active power (kW)

2.2kW

Rated power (HP)

3HP

† ction functions

Overvoltage during deceleration
Inverter protection thermal operation
Motor protection thermal operation
Heatsink overheat
Stall prevention stop
Output short-circuit
Output phase failure
Parameter error
Internal board fault
CPU fault
Brake transistor alarm
Inrush resistance overheat
Communication error
Output side earth (ground) fault overcurrent at start
Option fault
Retry count excess
PU disconnection
Analog input error
External thermal relay operation

Communication protocol

Modbus RTU

Digital inputs

1 x digital input (source/sink) (STF)
1 x digital input (source/sink) (STR)
1 x digital input (source/sink) (RH)
1 x digital input (source/sink) (RM)
1 x digital input (source/sink) (RL)
1 x digital input (source/sink) (MRS)
1 x digital input (source/sink) (RES)

Digital outputs

1 x digital output (SPDT (Single Pole Double Throw contact A/B/C) (programmable)
1 x digital output (sink/source open collector transistor) (RUN; programmable)
1 x digital output (sink/source open collector transistor) (FU; programmable)
1 x digital output (PTO Pulse Train Output for indicator)

Analog inputs

1 x analog input (0-5Vdc / 0-10Vdc)
1 x analog input (0-5Vdc / 0-10Vdc / 4-20mA)

ø of protection

IP20

Lift
Packaging
Machine tool
Press

Order code / Manufacturer SKU

FR-E720S-110-NA

Manufacturer product status

Commercialized

Equivalent to

FRE720S110NA

Compliant with standard(s)

UL
cUL
CE
KC (South Korea) Radio Waves Act
RoHS

SHOW LESS

Related Documents

Name	Last Update	Language
Mitsubishi Electric - Factory Automation (FA) - FREQROL - FR-E700 Series - Catalog.pdf	13 Jan 2023	English (US)
Mitsubishi Electric - FR-E700 Inverters Brochure.pdf	03 Aug 2022	English (US)

Accessories and Spare parts for this product

- ch keywords
- Other components
- Motor & motion control



FR-A7NC E KIT



Cancelled product



FR-A7ND E KIT



Cancelled product

Motor & motion control

Picture	Compatible SKU	Add to Cart	Description
	FR-A7AY E KIT		Digital & analog output module kit - Mitsubishi
	FR-A7AX E KIT		Digital input module kit - 16-bit - Mitsubishi El
	FR-PA07		Encl. surface operation pnl. - Mitsubishi Electric
	FR-SW3-SETUP-WE		FR Configurator setup software - Japanese spe
	FR-A7NL E KIT		LONworks communication module - Mitsubishi
	FR-PU07		Parameter unit - 8 languages - Mitsubishi Elec
	FR-CB201		Parameter unit connection cable - 1m length -
	FR-CB203		Parameter unit connection cable - 3m length
	FR-CB205		Parameter unit connection cable - 5m length



FR-A7NP E KIT



PROFIBUS-DP communication module - Mits



FR-A7AR E KIT



Rly. output module kit - Mitsubishi Electric - e



FR-E7TR



RS-485 2-port term. blk control communicac



FR-A7NS



SSCNET III communication module - Mitsubis



MR-J3USBCBL3M



USB cable - 3m length - Mitsubishi Electric - e

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