



MATERIAL FACT SHEET

234806 FR-E740-120SC-EC

General Data

Product Hierarchy	IAK234
	INVERTER
	FR-E740
Ext. Material Group	10 DISCONTINUED
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000234806

FA-Inverter: Inverter

Series	FR-E700 SERIES
Type	FR-E700 STANDARD INVERTER
Minimum Rated Voltage (V)	380
Min. Permissible Voltage (V)	325
Maximum Rated Voltage (V)	480
Max. Permissible Voltage (V)	528
Current Type	AC
Phases	3
Rated Output Current ND (A)	12
Rated Motor Capacity ND (kW)	5,5
Frequency Range (Hz)	-
Control Method	MAGNETIC FLUX VECTOR CONTROL
Control Method (2)	V/F CONTROL
Motor Type	INDUCTION MOTOR
Brake Chopper ED (%)	30
Integrated EMC Filter	NO
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	BUILT-IN
Display Type	3 DIGITS LED
PLC Function	NO
Integrated Digital Inputs	6
Digital Outputs (Transistor)	2
Digital Outputs (Relay)	1
Integrated Analogue Inputs	2
Integrated Analogue Outputs	1
IO Type of Terminal Block	SPRING CLAMP
Expandable	YES
RS-485	1
USB	1
Built-In Network	MODBUS-RTU
Leakage Current (mA)	1
Power Loss ND (W)	310
Standby Power Consumption (W)	11,6
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	220
Height (mm)	150
Depth (mm)	153
Weight (kg)	3,2

Logistic Dimensions & Gross Weight

Length (cm)	24,5
Width (cm)	23,0
Height (cm)	23,0

Gross Weight (kg)	4,000
Volume (cdm)	12,961

Stock Data

Planned Delivery Time (Days)	300
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Life Cycle

Sales Start	30.08.2010
Discontinued (EOL)	09.12.2022
Last Time Buy (LTB)	01.03.2023
Last Time Purchase (LTP)	01.04.2023
End of Service (EOS)	01.03.2030
Predecessor	211960 / FR-E740-120-EC
Successor	500115 / FR-E840-0120-4-60

Additional Product Information

Battery included	NO
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Export Data

Legal Control (Dual Use List)	Not Listed
Country of Origin	China (CN)
Preference Status (Supplier Declaration)	Non EU

Environmental

REACH Limit Exceeded	NO
Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-E740-120SC-EC&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-E740-120SC-EC&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-E740-120SC-EC&doc-lang=en
Network configuration file URL	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blte8cf990c7c524b4e&q=FR-E740-120SC-EC&doc-lang=en

Product Packaging

Cardboard (g)	1576,4
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	5,64
Wood (g)	0
Glass (g)	0
Others (g)	0

Spare parts

Material	Description	Quantity	Unit
164630	FR-F740-00083-00126 FAN	2	PC
264450	FR-E700SC-EC PCB CPU	1	PC
264451	FR-E700SC-EC PCB INTERFACE RS485	1	PC
264452	FR-E740-SC-120 & 170 MA-bd E74MA7.5-SC	1	PC
264454	FR-E740SC-120 GA-board E74GA5.5-SC	1	PC
264458	FR-E740-300-EC COVER FRONT	1	PC