



MATERIAL FACT SHEET

316587 FR-E740-120SC-ENE

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/000000000000316587

FA-Inverter: Inverter

Series	FR-E700 SERIES
Type	FR-E700-ENE 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
Ethernet Port	1
Built-In Network	CC-LINK IE FIELD NETWORK BASIC
Built-In Network (2)	MODBUS/TCP
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)	26,0
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Width (cm)	22,0
Height (cm)	27,0
Gross Weight (kg)	3,935
Volume (cdm)	15,444

Stock Data

Planned Delivery Time (Days)	300
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Life Cycle

Sales Start	01.01.2018
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	No Predecessor
Successor	500099 / FR-E840-0120EPB-60

Additional Product Information

Battery included	NO
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Export Data

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

Environmental

REACH Limit Exceeded	YES
REACH Substance CAS Number	12060-00-3
REACH Substance CAS Number (2)	127-19-5
REACH Substance CAS Number (3)	1317-36-8
REACH Substance CAS Number (4)	13560-89-9
REACH Substance CAS Number (5)	15571-58-1
REACH Substance CAS Number (6)	540-97-6
REACH Substance CAS Number (7)	541-02-6
REACH Substance CAS Number (8)	556-67-2
REACH Substance CAS Number (9)	7439-92-1
REACH Substance CAS Number (10)	96-45-7
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-ENE&doc-lang=en
Certificates URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt8050dd1408c11cc2&q=FR-E740-120SC-ENE&doc-lang=en
CAD URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blt26ecc97a31a841c1&q=FR-E740-120SC-ENE&doc-lang=en
Network configuration file URL	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=blte8cf990c7c524b4e&q=FR-E740-120SC-ENE&doc-lang=en

Product Packaging

Cardboard (g)	570
Other paper (g)	0
Aluminum (g)	0
Steel (g)	0
Styrofoam (g)	0
Other plastic (g)	10
Wood (g)	0
Glass (g)	0
Others (g)	0