MITSUBISHI ELECTRIC EUROPE B.V.

Industrial Automation
Mitsubishi-Electric-Platz 1 40882 Ratingen Deutschland
Telefon +49 (0) 2102 486-0 Fax +49 (0) 2102 486-1120
https://emea.mitsubishielectric.com/fa



MATERIAL FACT SHEET

577423 FR-F846-00023-E2-60L2-S6

General Data

Product Hierarchy	IAK24501
	INVERTER
	FR-F846 with main switch
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	C (Non-Stock Material / Make-to-Order)

e-shop: https://mitsubishi-electric-eshop.mee.com/mee/FA_IA/EUR/en/p/000000000000577423

Product Components

318057 / FR-F846-00023-E2-60L2	1 pc required
475731 / NF32-SVF 3P 30A	1 pc required
253076 / V-03SV	1 pc required

FA-Inverter: Inverter

Series	FR-F800 SERIES
Type	FR-F846-E2-S6 WITH MAIN SWITCH
Minimum Rated Voltage (V)	380
Min. Permissible Voltage (V)	323
Maximum Rated Voltage (V)	500
Max. Permissible Voltage (V)	550
Current Type	AC
Phases	3
Rated Output Current LD (A)	2,1
Rated Motor Capacity LD (kW)	0,75
Frequency Range (Hz)	0,2–590
Control Method	MAGNETIC FLUX VECTOR CONTROL
Control Method (2)	PM SENSORLESS VECTOR CONTROL
Control Method (3)	SOFT-PWM/HIGH FREQUENCY PWM
Control Method (4)	V/F CONTROL
Motor Type	INDUCTION MOTOR, PM MOTOR
Integrated EMC Filter	YES
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	YES
Display	FR-DU08
Display Type	5 DIGITS LED (12 SEGMENT)
PLC Function	YES
Program Memory	6K
Program Memory Unit	STEPS
Integrated Digital Inputs	12
Digital Outputs (Transistor)	5
Digital Outputs (Relay)	2
Integrated Analogue Inputs	3
Integrated Analogue Outputs	2
IO Type of Terminal Block	SPRING CLAMP
Expandable	YES
USB	1+1 MINI
Ethernet Port	1
Built-In Network	BACNET/IP
Built-In Network (2)	CC-LINK IE FIELD NETWORK BASIC
Built-In Network (3)	MELSOFT/FA
Built-In Network (4)	MODBUS/TCP
Built-In Network (5)	SLMP
Built-In Network (6)	iQSS
Leakage Current (mA)	2
Power Loss SLD (W)	55
Standby Power Consumption (W)	19

Protection Class	IP55

Product Dimensions & Weight

Width (mm)	238
Height (mm)	520
Depth (mm)	325
Weight (kg)	15

Logistic Dimensions & Gross Weight

Length (cm)	62,0
Width (cm)	31,0
Height (cm)	42,0
Gross Weight (kg)	19,850
Volume (cdm)	80,724

Stock Data

Planned Delivery Time (Days)	300

Life Cycle

Sales Start	01.02.2021
Predecessor	No Predecessor

Additional Product Information

Binding Tariff Information	DEBTI-21865/22-1
BTI validity date	01.01.2026

Export Data

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

Environmental

Dangerous Goods Class	NO
Dangerous Goods Identifier	NO
RoHS Compliance	COMPLIANT
WEEE	B2B

Conformity

CE	COMPLIANT
UL/cUL	COMPLIANT
EAC	COMPLIANT
Shipping Approvals	DNV,ABS
UKCA	COMPLIANT

Documentation & Media Data

Manual URL Indicator	https://emea.mitsubishielectric.com/fa/advanced-search?ct=document&doc-cats=bltdae25c2bd5f2ff94&q=FR-F846-00023-E2-60L2-S6&doc-lang=en