MITSUBISHI ELECTRIC EUROPE B.V.
INDUSTRIAL AUTOMATION
Mitsubishi-Electric-Platz 1
D-40882 RATINGEN

MATERIAL FACT SHEET

General Data

Material	504747
Description	FR-E820S-0015-4-60
Price List Text (EN)	Inverter; Pn:0,2kW; 1x200-240V; In max: 1,5A; (0,2kW;1,5A); RS-485; IP20
Product Hierarchy	IAK24801 INVERTER FR-E820
Ext. Material Group	10 STANDARD ITEM
ABC Indicator	A (Available from Stock)

FA-Inverter: Inverter

Series	FR-E800 SERIES
Type	FR-E800 RS485 INVERTER
Minimum Rated Voltage (V)	200
Min. Permissible Voltage (V)	170
Maximum Rated Voltage (V)	240
Max. Permissible Voltage (V)	264
Current Type	AC
Phases	1
Rated Output Current ND (A)	1,5
Rated Motor Capacity ND (kW)	0,2
Control Method	MAGNETIC FLUX VECTOR CONTROL
Control Method (2)	PM SENSORLESS VECTOR CONTROL
Control Method (3)	REAL SENSORLESS VECTOR CONTROL
Control Method (4)	V/F CONTROL
Motor Type	INDUCTION MOTOR, PM MOTOR
Integrated EMC Filter	NO
Safe Torque Off (STO)	YES
Regenerative (4Q)	NO
Integrated DC Choke	NO
Display	BUILT-IN
Display Type	4-DIGIT LED
PLC Function	YES
Program Memory	2K
Program Memory Unit	STEPS
Integrated Digital Inputs	7
Digital Outputs (Transistor)	2
Digital Outputs (Relay)	1

FA-Inverter: Inverter

Integrated Analogue Inputs	2
Integrated Analogue Outputs	1
Type of Terminal Block	SPRING CLAMP
Expandable	YES
RS-485	1
USB	1 (MINI B)
Built-In Network	MODBUS RTU
Leakage Current (mA)	1,2
Power Loss LD (W)	-
Power Loss ND (W)	17
Standby Power Consumption (W)	-
Protection Class	IP20

Product Dimensions & Weight

Width (mm)	68
Height (mm)	128
Depth (mm)	80,5
Weight (kg)	0,5

Logistic Dimensions & Gross Weight

Length (cm)	17,0
Width (cm)	15,0
Height (cm)	13,0
Gross Weight (kg)	0,658
Volume (cdm)	3,315

Stock Data

Planned Delivery Time (Days)	90

Life Cycle

Sales Start	09.11.2020
Predecessor	234796 / FR-E720S-015SC-EC

Export Data

Commodity Code	85044088
Legal Control (Dual Use List)	Not Listed
Country of Origin	China (CN)
Preference Status (Supplier Declaration)	Non EU

Environmental

Dangerous Goods Regulations	NO
RoHS Compliance	COMPLIANT

Conformity

CE	COMPLIANT

Conformity

UL/cUL	COMPLIANT
EAC	COMPLIANT
UKCA	COMPLIANT

Product Packaging

Cardboard (g)	145
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