

INDUSTRIAL COMPONENT DATA

**VZA47P5FAA 3G3Z1415M VZA47P5FAAGBR OMRON V1000
three Phase 380-480VAC (18,0/23,0)Amp (7,5/11)Kw Vector**

Brand: OMRON | Manufacturer Part Number: VZA47P5FAA



Manufacturer	OMRON
MPN / Reference	VZA47P5FAA
Catalog number	VZA47P5FAAGBR
Category	Frequency converter less than 1 kV
Minimum order	1 unit
Document ID	EO-64AB889381
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Product Overview

V1000 three Phase 380-480VAC (18,0/23,0)Amp (7,5/11)Kw Vector

V1000 Three Phase 400VAC (18.0/23.0)Amp (7.5/11)Kw Vector

V1000 inverter, 3~ 400 VAC, 7.5 kW, 18 A, sensorless vector, max. output freq. 400Hz

STRUCTURED PRODUCT DATA

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Mains frequency (EF006783)	50/60 Hz
Type of converter (EF006978)	Other
Degree of protection (NEMA) (EF011959)	Other
Degree of protection (IP) (EF005474)	IP20
Number of phases input (EF007117)	3
Number of phases output (EF006998)	3
With PC connection (EF006107)	Yes
Supporting protocol for PROFI-safe (EF007526)	No
Supporting protocol for PROFIBUS (EF003052)	Yes
Supporting protocol for DeviceNet Safety (EF007520)	No
Supporting protocol for TCP/IP (EF003050)	No
Supporting protocol for other bus systems (EF003062)	Yes
Supporting protocol for Foundation Fieldbus (EF007522)	No
Application in domestic- and commercial area permitted (EF007295)	No

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Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
4-quadrant operation possible (EF006803)	Yes
Supporting protocol for SafetyBUS p (EF007527)	No
Supporting protocol for SERCOS (EF006657)	No
With control element (EF001538)	Yes
Supporting protocol for Modbus (EF003057)	Yes
Supporting protocol for KNX (EF003055)	No
Application in industrial area permitted (EF007294)	Yes
Supporting protocol for PROFINET CBA (EF007524)	No
Supporting protocol for LON (EF003017)	No
Supporting protocol for SUCONET (EF003060)	No
With optical interface (EF003028)	No
Supporting protocol for EtherNet/IP (EF007521)	No
Supporting protocol for CAN (EF003053)	Yes
Supporting protocol for AS-Interface Safety at Work (EF007519)	No
Supporting protocol for INTERBUS (EF003054)	No
Supporting protocol for Data-Highway (EF003058)	No
Supporting protocol for PROFINET IO (EF007525)	Yes
Supporting protocol for ASI (EF003051)	No
Supporting protocol for DeviceNet (EF003059)	Yes
Supporting protocol for INTERBUS-Safety (EF006662)	No
Integrated breaking resistance (EF007293)	Yes
Max. output frequency (EF007350)	400 Hz
Number of HW-interfaces other (EF003027)	0
Number of HW-interfaces parallel (EF003026)	0
Number of interfaces PROFINET (EF006932)	0
Number of HW-interfaces industrial Ethernet (EF003020)	0
Max. output at linear load at rated output voltage (EF007364)	7.5 kW
Relative symmetric net voltage tolerance (EF007453)	10 %
Number of HW-interfaces USB (EF003025)	0
Width (EF000008)	140 mm
Number of HW-interfaces RS-232 (EF003021)	0
Number of HW-interfaces RS-422 (EF003022)	1
Max. output at quadratic load at rated output voltage (EF007366)	11 kW

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Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Number of HW-interfaces RS-485 (EF003023)	1
Nominal output current I2N (EF009561)	23 A
Number of HW-interfaces serial TTY (EF003024)	0
Height (EF000040)	254 mm
Max. output voltage (EF009560)	480 V
Depth (EF000049)	140 mm
Relative symmetric net frequency tolerance (EF007454)	5 %
Mains voltage (EF006780)	380 V

Classification & Catalog Path

Catalog path	OMRON > Frequency inverters > V1000
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Additional Product Information

Specifications

Drive control method Open loop V/f, Open loop vector

Drive supply voltage 400 V three phase

Max. motor output at constant torque 7.5 kW

Max. motor output at variable torque 11 kW

Built in EMC filter

Degree of protection (IP) IP20

Finless type

Compatible motor type Induction or asynchronous motor, Permanent magnet motor

Regenerative solutions As inverter option

Communication port(s) MODBUS Slave, Serial RS-422, Serial RS-485

Communication option(s) CANopen, DeviceNet Slave, EtherCAT Slave, EtherNet/IP, MECHATROLINK II Slave,

MODBUS/TCP, POWERLINK, PROFIBUS DP Slave, PROFINET Slave

Product Height (unpacked) 254 mm

Product Width (unpacked) 140 mm

Product Depth (unpacked) 140 mm

Product Weight (unpacked) 3800 g

Accessories

AX-FIC4030-SE Common footprint RFI filter for Compact series (Q2V/V1000/J1000/MX2), 30 A, 400 VAC, three phase, for 5.5 kW and 7.5 kW drives.

AX-FIC4030-SE-LL Low Leakage common footprint RFI filter for Compact series (Q2V/V1000/J1000/MX2), 30 A, 400 VAC, three phase, for 5.5 kW and 7.5 kW drives.

SI-EN3/V EtherNet/IP option board for V1000 inverter

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REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / VZA47P5FAA with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

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