

INDUSTRIAL COMPONENT DATA

**VZA4015FAA 3G3Z1417G VZA4015FAAGBR OMRON V1000
three Phase 380-480VAC (31,0/38,0)Amp (15/18,5)Kw Vector**

Brand: OMRON | Manufacturer Part Number: VZA4015FAA



Manufacturer	OMRON
MPN / Reference	VZA4015FAA
Catalog number	VZA4015FAAGBR
Category	Frequency converter less than 1 kV
Minimum order	1 unit
Document ID	EO-4F5D3734F9
Generated	2026-08-05

Product Overview

V1000 three Phase 380-480VAC (31,0/38,0)Amp (15/18,5)Kw Vector

V1000 Three Phase 400VAC (31.0/38.0)Amp (15/18.5)Kw Vector

V1000 inverter, 3~ 400 VAC, 15 kW, 31 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

CONTINUED
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)	15 kW
Relative symmetric net voltage tolerance (EF007453)	10 %
Number of HW-interfaces USB (EF003025)	0
Width (EF000008)	180 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)	18.5 kW

CONTINUED

Technical Specifications

TECHNICAL ATTRIBUTE	VALUE
Number of HW-interfaces RS-485 (EF003023)	1
Nominal output current I2N (EF009561)	38 A
Number of HW-interfaces serial TTY (EF003024)	0
Height (EF000040)	290 mm
Max. output voltage (EF009560)	480 V
Depth (EF000049)	163 mm
Relative symmetric net frequency tolerance (EF007454)	5 %
Mains voltage (EF006780)	380 V

Classification & Catalog Path

Catalog path	OMRON > Frequency inverters > V1000
--------------	-------------------------------------

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 15 kW

Max. motor output at variable torque 18.5 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) 290 mm

Product Width (unpacked) 180 mm

Product Depth (unpacked) 163 mm

Product Weight (unpacked) 5500 g

Accessories

AX-FIC4050-SE Common footprint RFI filter for Compact series (Q2V/V1000/J1000/MX2), 50 A, 400 VAC, three phase, for 11 kW and 15 kW drives.

AX-FIC4050-SE-LL Low Leakage common footprint RFI filter for Compact series (Q2V/V1000/J1000/MX2), 50 A, 400 VAC, three phase, for 11 kW and 15 kW drives.

ETIM for 240695 Low-voltage industrial controls and switchg...

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send OMRON / VZA4015FAA with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.