

**Variable frequency drive, 400 V AC, 3-phase, 31 A, 15 kW, IP54/NEMA12,
Brake chopper, DC link choke**



Part no. DG1-34031FB-C54C

9702-3101-00P

**EL Number
(Norway)**

4138098

General specifications		
Product name		Eaton DG1 variable frequency drive
Part no.		DG1-34031FB-C54C
EAN		4015081710874
Product Length/Depth		265.1 millimetre
Product height		558 millimetre
Product width		204.6 millimetre
Product weight		22.6 kilogram
Certifications		CE UL report applies to both US and Canada EAC C-Tick CSA-C22.2 No. 274-13 IEC/EN61800-5 Specification for general requirements: IEC/EN 61800-2 UL IEC/EN 61800-3 RoHS, ISO 9001 CUL UL File No.: E134360 UL508 Certified by UL for use in Canada Safety requirements: IEC/EN 61800-5 UkrSEPRO UL Category Control No.: NMMS, NMMS7 IEC/EN61800-3
Product Tradename		DG1
Product Type		Variable frequency drive
Product Sub Type		None

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Frequency converter =< 1 kV (EC001857)		
Electric engineering, automation, process control engineering / Electrical drive / Static frequency converter / Static frequency / Servo converter = < 1 kV (ecl@ss13-27-02-31-01 [AKE177019])		
Mains voltage	V	380 - 500
Mains frequency		50/60 Hz
Number of phases input		3
Number of phases output		3
Max. output frequency	Hz	400
Max. output voltage	V	500
Nominal output current I _{2N}	A	31
Max. output at quadratic load at rated output voltage	kW	18.5
Max. output at linear load at rated output voltage	kW	15
Power consumption	W	471
Relative symmetric net frequency tolerance	%	10
Relative symmetric net voltage tolerance	%	10
Number of analogue outputs		2
Number of analogue inputs		2
Number of digital outputs		1
Number of digital inputs		8
With control element		Yes
Application in industrial area permitted		Yes
Application in domestic- and commercial area permitted		Yes
Supporting protocol for TCP/IP		Yes
Supporting protocol for PROFIBUS		Yes

Supporting protocol for CAN		Yes
Supporting protocol for INTERBUS		No
Supporting protocol for ASI		No
Supporting protocol for KNX		No
Supporting protocol for Modbus		Yes
Supporting protocol for Data-Highway		No
Supporting protocol for DeviceNet		Yes
Supporting protocol for SUCONET		No
Supporting protocol for LON		No
Supporting protocol for PROFINET IO		Yes
Supporting protocol for PROFINET CBA		No
Supporting protocol for SERCOS		No
Supporting protocol for Foundation Fieldbus		No
Supporting protocol for EtherNet/IP		Yes
Supporting protocol for AS-Interface Safety at Work		No
Supporting protocol for DeviceNet Safety		No
Supporting protocol for INTERBUS-Safety		No
Supporting protocol for PROFIsafe		No
Supporting protocol for SafetyBUS p		No
Supporting protocol for BACnet		Yes
Supporting protocol for other bus systems		Yes
Number of HW-interfaces industrial Ethernet		1
Number of interfaces PROFINET		0
Number of HW-interfaces RS-232		0
Number of HW-interfaces RS-422		0
Number of HW-interfaces RS-485		1
Number of HW-interfaces serial TTY		0
Number of HW-interfaces USB		0
Number of HW-interfaces parallel		0
Number of HW-interfaces other		1
With optical interface		No
With PC connection		Yes
Integrated breaking resistance		Yes
4-quadrant operation possible		Yes
Type of converter		U converter
Degree of protection (IP)		IP54
Degree of protection (NEMA)		12
Height	mm	558
Width	mm	204.6
Depth	mm	265.1