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BRDGETHC04

GATEWAY TO CANOPEN PROTOCOL

Reduced Data sheet

Version: 1

Date: 10.02.2026



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Overview



Required to interface instruments with CANopen interface

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Part Number

Code

Code	Description
BRDGETHC04	Bridge EtherCAT Mem. ret. 64Kb+CANopen interf. prot. DS401 e DSP402+in.volantino

Product status

Item	Value
Status	Spare parts only
Spare parts only from:	Jan 2025

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Technical data summary

Resources

Parameter	Value / Description
Number of Port	1
Protocol	CANopen 2.0
Profiles	DS-301 DS-401 DSP-402 IP
SYNC support	Yes
Buffer of input messages	28
Buffer of output messages	16
Number of supported nodes	63
Supported Baud-rate	1Mb/s, 500Kb/s, 250Kb/s, 125Kb/s, 50Kb/s, 20Kb/s, 10Kb/s
Bus Length	Max 30mt up to 1000mt according to selected baud-rate
Characteristic impedance	120 Ohm
Ethercat Cycle Time (Sync0)	1 – 2ms (*)

Electrical Characteristics

Name	Description	Min	Typ.	Max	Unit
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VCAN	Output positive supply		24		Vdc
ICAN	Output current			0.5	A

Power supply	
Nominal input voltage	24Vdc
Electrical protections	Reverse polarity Overload Overvoltage
Fieldbus	
Number of Ports	2 (1 x Input EtherCAT, 1 x Exit EtherCAT)
Protocol	EtherCAT
Bus connector type	RJ45 shielded
Max cable length	100mt
Supported Services	CoE (CAN over EtherCAT), FoE (File over EtherCAT), VoE (Vendor Specific over EtherCAT) DC or Free Run
Compatibility	Master EtherCAT ISAC
Temp. Operational/Storage and Humidity	
Temp. operational	0 ... 50 °C
Temp. Storage	-10 ... 70 °C
Humidity	Up to 90% non-condensing
Protection class	IP20
Internal features	
Retentive memory	96KByte Non-volatile memory without battery
Interfacce I/O	
CAN	CANopen DS 301, DS 401 Protocols
Watchdog Hardware Enable	N.O. (Normally Open) Relay Clean Contact 1A/30V
Diagnostics Hardware	
Power supply	LED blu
Status	LED Green
Error	LED red
Installation and Weight	
Installation	Guide DIN 35mm standard EN 60715
Weight	290 gr.

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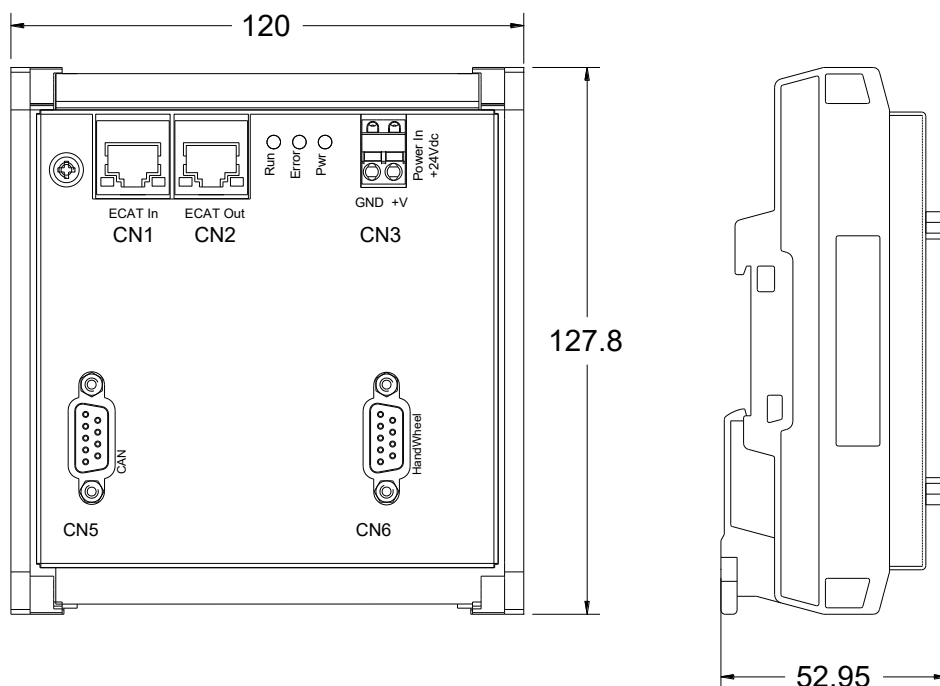
Certifications

Certification	Description
CE	EU Declaration of Conformity: EMC Directive 2014/30/UE Standards used: EN 61000-6-2:2019 EN 61000-6-4:2019
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy



Layout and dimension

	Unit	Width	Height	Depth
BRDGETHC04	[mm]	120	128	50



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Reference documents

Full Technical Data sheet: BRDGETHC04