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BRDGETHC07H (Bridge 07H)

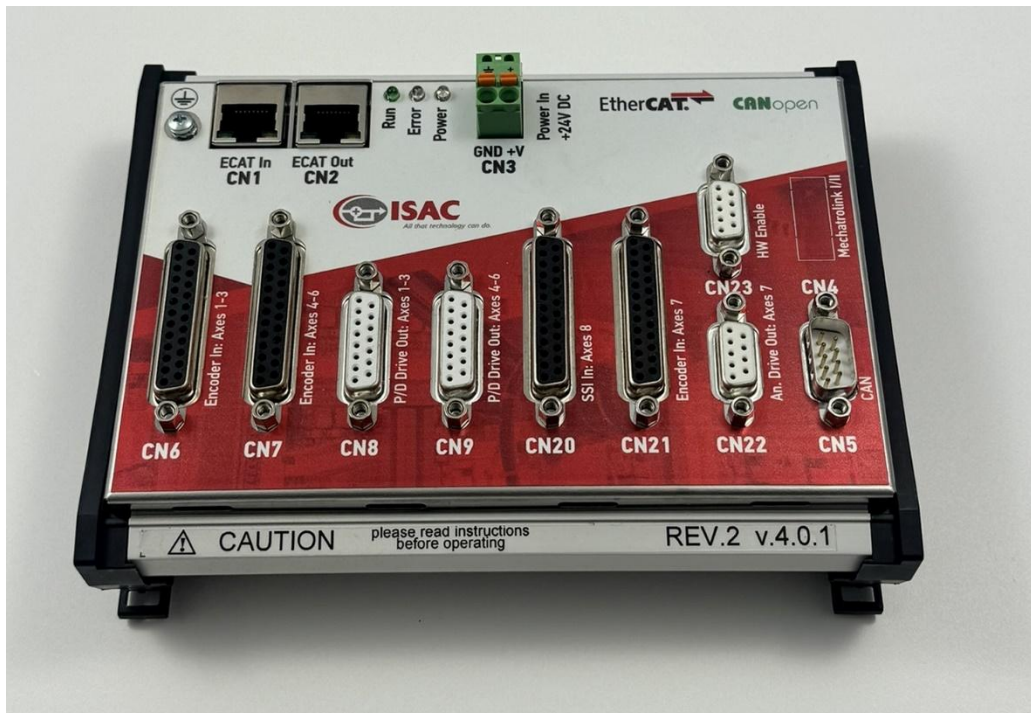
GATEWAY TO 6 PULSE-DRIVEN DRIVES

Reduced Data sheet

Version: 1

Date: 10.02.2026

Overview



Required to connect servo drivers and STEP motor drives. It also runs an electros spindle to make threads with non-compensated tapping tool.

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Part Number

Code

Codice	Descrizione
BRDGETHC07H	Gateway EtherCAT v2 1AO + 1Count + 6 P/D out + 7ENC in + 1 SSI in + CAN +MR64kB

Product status

Item	Value
Status	Obsolete: producible but no changes
In production from:	Jan 2018

Technical data summary

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
Connector Type Bus	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
Operating Temp./Storage and Humidity	
Operating Temp.	0 ... 50 °C
Storage Temp.	-10 ... 70 °C
Humidity	Fino a 90% senza condensa
Protection class	IP20
Internal features	

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Retentive memory	96KByte Non-volatile memory without battery
Interfaces I/O	
CAN	CANopen DS 301, DS 401 Protocols
Watchdog Hardware Enable	N.O. (Normally Open) Relay dry contact 1A/30V
Axis interface	
Pulse Outputs-Direction	- Pulse/direction outputs according to the RS-422 standard. - Max pulse frequency 1MHz 6 Channels
Analog Outputs	- Balanced -10/+10V 1 Channel
Incremental encoder inputs	- TTL differential square wave - Max pulse frequency 1MHz 7 Channels
Encoder Input Absolute SSI	- Differential line driver and receiver according to EIA RS-485 standard - Max clock frequency 2 MHz with maximum resolution 32 bit 1 channel
Diagnostics Hardware	
Power supply	LED blu
Status	LED Green
Error	LED red
Installation e Weight	
Installation	Guide DIN 35mm standard EN 60715
Weight	500 gr.

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
CRA	Yes (pending)



All that technology can do

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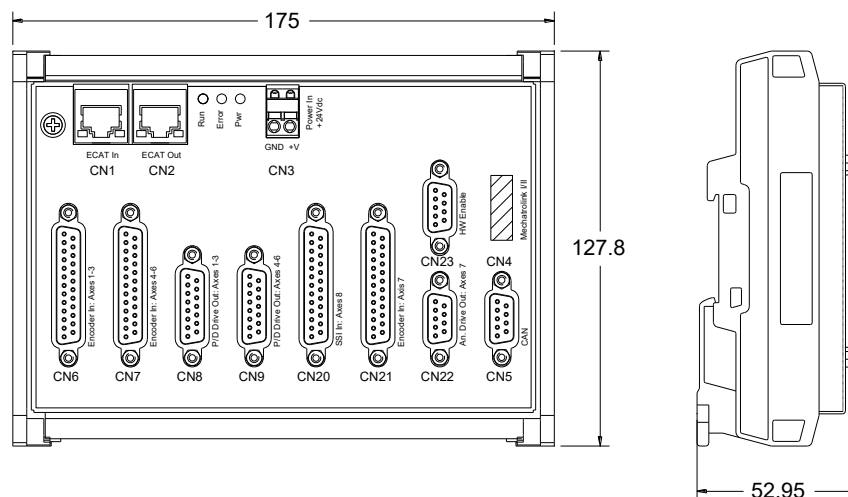
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Layout and dimension

Height	128 mm
Width	175 mm
Depth	50 mm



Reference documents

Full technical data sheet: BRDGETHC0708