

# CAN conveyor controller

## Highly integrated CANopen® AGV handling controller

- One connection to all handling functions
- Integrated terminal blocks
- Compact industrial design
- Fail safe design
- Easy assembly



The CAN conveyor controller (C3), is a highly integrated CANopen module. This compact controller is equipped with all the necessary I/O required for simple to very complex handling systems. The C3 has two full multimode H-bridges for controlling driving motors up to 75W. Handling sensors like load detection, station communication etc. can be connected

directly to the C3. All logic and motor connections have separated power supply lines. This also enables integration of motor power supply into a safety circuit. The C3 CAN conveyor controller is protected against overvoltage, overcurrent and reversed polarity.

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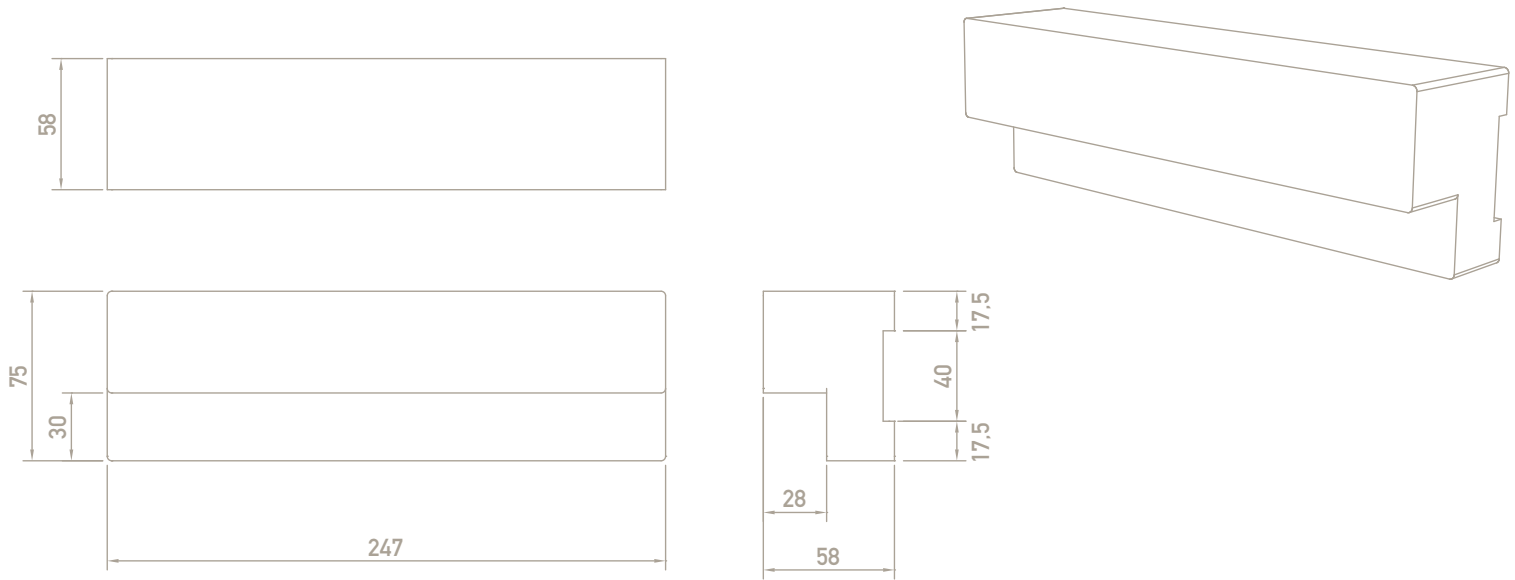


Built-In CAN Conveyor Controller



Automated Guided Vehicles





all dimensions in mm.

## Specifications

motor drives	2 Full H-bridges 32kHz PWM operation 16A power relay, for on/off control programmable low and high speed and ramp settings current read back per channel	5 - 100W (24V/4A)
digital i/o	4 x input 8 x output 4 1-on-1 interfaces i/o configurable for NPN or PNP mode i/o fitted with switchable common 24V+ sensor supply and ground outputs short circuit protected at 500mA. outputs over-voltage protected at 50V/30mJ	with status LED per input max. 150 mA, read back facility and status LED per I/O for 4 bit bidirectional Hokuyo IR data transmitters
CAN interface	protocol baud rates 120 Ohm bus termination jumper selectable connections galvanic isolation and Surge suppression hardware monitor	CAN-open 125kb, 250kb, 500kB, 1Mb and node i.d., DIP switch selectable in and out over separate standard SUB-D9 connectors CAN ok LED and CAN error LED.
safety	CAN Open Node Guarding internal software watchdog actuator power can be switched off by external Emergency stop circuit	
other features	can be fitted with mounting clips for TS35 rail	
EMC	complies with automotive directive 95/54 EC and FCC part 15B	
operating conditions	ambient temperature ambient humidity	0° - 70° 0% - 95%, noncondensing
shock resistance	10/20..250 g/Hz	IEC 68 part 2-6
vibration resistance	30/10 g/ms	IEC 68 part 2-27
protection type	IP 40	
power	19 - 32 VDC	reverse polarity protection
dimensions, H x W x D	75 x 247 x 58 mm.	
weight	0.5 kg	

Frog AGV Systems develops and markets Automated Guided Vehicle Systems (AGVS) and navigation hard- and software. We help our customers become more productive and save money by delivering material handling solutions that are flexible, reliable and cost-effective.

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