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Part Number 921088, HY-TTC 60

HY-TTC 60 is a powerful electronic control solution for off-highway industries that is well-suited for the rough conditions in which it is used. It is part of a complete and compatible product family and is protected by a compact, automotive-style housing suited to mobile applications.



LIST_PRICE

QUOTE

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Specifications

Model Code Description	HY-TTC 60-CD-594K-768K-0000-000
Operating Temperature [Min]	-40 °C
Operating Temperature [Max]	85 °C
Software	CODESYS 2.3 Including Support for CANopen
Connector Type	80 Pins
Operating Altitude	0 to 4000 m
Supply Voltage	8 to 32 V

Maximum Peak Voltage	45 V
Maximum Standby Current	0.5 mA
Maximum Idle Current at 9 V	0.15 A
Maximum Current	25 A
European Conformity (CE) Mark	2014/30/EU
E - Mark	ECE-R10 Rev.4
Electromagnetic Compatibility (EMC)	ISO13766, up to 200 V/m, 20 MHz to 1GHz
Electrostatic Discharge (ESD)	IEC61000-4-2
Load Dump	ISO7637-2, 173 V, 2 Ohm
Ingress Protection (IP) Class	DIN 40050 IP 6K9K EN 60529 IP 65, IP67
Climatic	EN 60068-2-1, -14Nb, -2, -78, -30
Vibration, Shock, Bump	IEC 60068-2-29, -64, -27, -32
Communication Profile	CODESYS
Equipment Options	Standard
Weight	1.43 lb
Division	ELECTRONICS
Product Group Family	MOBILE CONTROLLERS
Product	MOBILE CONTROLLERS / IO MODULES

Dimensions

Length	147.6 mm
Depth	39.8 mm

Width	180.3 mm
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Minimum Connector Release Clearance Height	39.8 mm
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Minimum Connector Release Clearance Length	197.7 mm
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Minimum Connector Release Clearance Width	202.8 mm
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CPU Core

CPU Core

- 16/32-bit Infineon XC2287 microcontroller, 80 MHz, 768 kB int. Flash, 82 kB int. RAM, 512 kB ext. RAM
- 64 kbit EEPROM

Interface

Interface

- 1 x RS-232 and 1 x LIN serial interfaces
- 2 x CAN, 125 kbit/s up to 1 Mbit/s

Output Type

Output Type

- 8 x digital OUT 2 A high-side, PWM, configurable as timer inputs
- 8 x digital OUT 4 A high-side, configurable as analog inputs

Input Type

Input Type

- 8 x analog IN 0 to 5 V or 4 to 20 mA / 10 bit, configured by software alternative use as resistive measurements
- 8 x analog IN 0 to 32 V / 10 bit, range configurable by SW
- 4 x current feedback, configurable as digital outputs/ lowside 2 A
- 4 x digital IN (4 timer 0.1 Hz to 10 kHz)
- 8 x digital IN

Other

Other

- Internal: monitoring of board temperature, sensor supply and battery
- 1 x sensor supply 8.5 V/10.0V/14.5V configurable
- 2 x sensor supply 5 V

Note

All I/Os and interfaces mentioned are protected against short circuit to GND and BAT+.