



**GT-5231**

Serial interface RS485

- 1 channel
- 1200 ~ 115 200 bps
- 10pt removable terminal block

## Facts

### General description

Article number	100-8034
Warranty	Up to 2 years
Article status	Active
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), 5 ~ 25 Hz: $\pm 1.6\text{mm}$ , 25 ~ 300 Hz: 4G, Sweep rate: 1 octave/min., 20 cycles, Random vibration (based on IEC 60068-2-64), 10 ~ 40 Hz: $0.0125\text{g}^2/\text{Hz}$ , 40 ~ 100 Hz: $0.0125 \rightarrow 0.002\text{g}^2/\text{Hz}$ , 100 ~ 500 Hz: $0.002 \text{g}^2/\text{Hz}$ , 500 ~ 2000 Hz: $0.002 \rightarrow 1.3 \times 10^{-4}\text{g}^2/\text{Hz}$ , Test time: 1hrs for each test
Industrial emissions	EN 61000-6-4/A11: 2011
Industrial immunity	EN 61000-6-2: 2019
Product certifications	Horizontal, Vertical CE, UL, cUL, FCC, RoHS, China RoHS, Reach
Power dissipation	Max. 85 mA @ 5 VDC, 0 mA @ 24 VDC
Isolation	I/O to Logic: Photocoupler isolation, I/O to Field Power: Non-Isolation
Field power	Not used. Field power bypassed to next expansion module.
Weight	60 g
Module size	12x99x70 mm

### Environmental

Mounting	35mm DIN rail
Operating temperature	-20 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-20 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

## Communication module specification

Bit distortion		N/A
Cable length		1 km twisted pair
Cable type		Shielded cable recommended
Connection		10 RTB
Data bit		8bit
Data buffer	IO user data 14 bytes, IO size changed, Max. 63 bytes, Control / status 1 byte, Rx/Tx length 1 byte	
Flow control		N/A
Low signal voltage		N/A
High signal voltage		N/A
Line impedance		120 $\Omega$
Input image size		16 bytes (default)@ max. 63 bytes
Output image size		16 bytes (default)@ max. 63 bytes
Parity bit		None / Odd / Even (default: None)
RXD buffer		1024bytes
Stop bit		1bit, 2bit (*Default: 1bit)
Transfer rate		1200 ~ 115200bps
TXD buffer		1024bytes

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