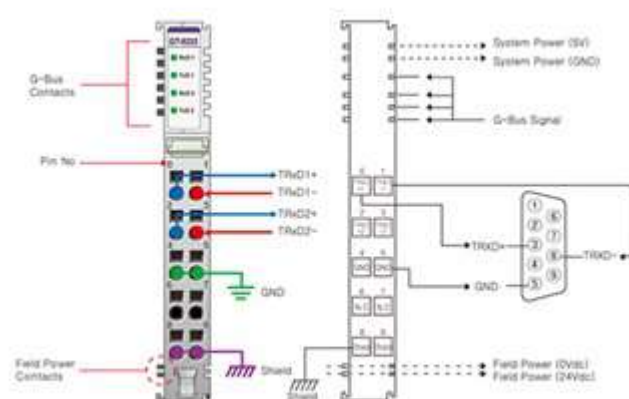




## GT-5232

### Serial interface RS485

2 channels  
1200 ~ 115 200 bps  
10pt removable terminal block

## Facts

### General description

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article number         | 100-8035                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Installation position  | Horizontal, Vertical                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Product certifications | 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 Ω                                                                                            |
| Input image size    | 16 bytes (*Default)@ max 62 bytes                                                                |
| Output image size   | 16 bytes (*Default)@ max 62 bytes                                                                |
| Parity bit          | None, Odd, Even(*Default: None)                                                                  |
| RXD buffer          | 1024bytes                                                                                        |
| Stop bit            | 1bit, 2bit (*Default: 1bit)                                                                      |
| Transfer rate       | 1200bps~115200bps                                                                                |
| TXD buffer          | 1024bytes                                                                                        |

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Visiting address HQ: Stora Varvsgatan 13a

SE - 211 75 Malmö, SWEDEN

[+46 40 35 86 00](tel:+4640358600) (tel:[+46 40 35 86 00](tel:+4640358600))

[info@beijerelectronics.com](mailto:info@beijerelectronics.com) (mailto:[info@beijerelectronics.com](mailto:info@beijerelectronics.com))