

I/O Link Unit for C200H_ and CS1 PLC Ideal for distributed control.

- PLC can be used as an Intelligent Slave on PROFIBUS-DP.
- Total of 0-100 words and or 0-100 words out.
- PROFIBUS-DP node address (001-125) by three rotary switches.



Ordering Information

| Product Code | Description |
|--------------|------------------------|
| C200HW-PRT21 | PROFIBUS-DP slave unit |
| W901-E2-1 | Operation Manual |

Specifications

■ Communication Specification

| | |
|------------------------------------|---|
| Bus connector | 9-pin female sub-D connector (RS-485 PROFIBUS connector) |
| Bus address | 1 μ 125, Remote setting not supported |
| Baud rate (auto-detect) | 9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbit/s, 1.5 / 3 / 6 / 12 Mbit/s |
| Minimum slave interval time | 0.5 ms |
| Bus termination | External |
| Supported DP functions | <ul style="list-style-type: none"> S Data_Exchange S Slave_Diag S Set_Prm S Chk_Cfg S Global_Control (SYNC, FREEZE, CLEAR) S Get_Cfg S RD_Inp S RD_Outp |
| Station type | Modular station, max. 32 modules Configurable with In-, Out- and I/O-modules of 1, 2, 4, 8 and 16 words Total of 0-100 words in + 0-100 words out, with consistency over the full length |
| GSD file | OC_04AC.GSD |

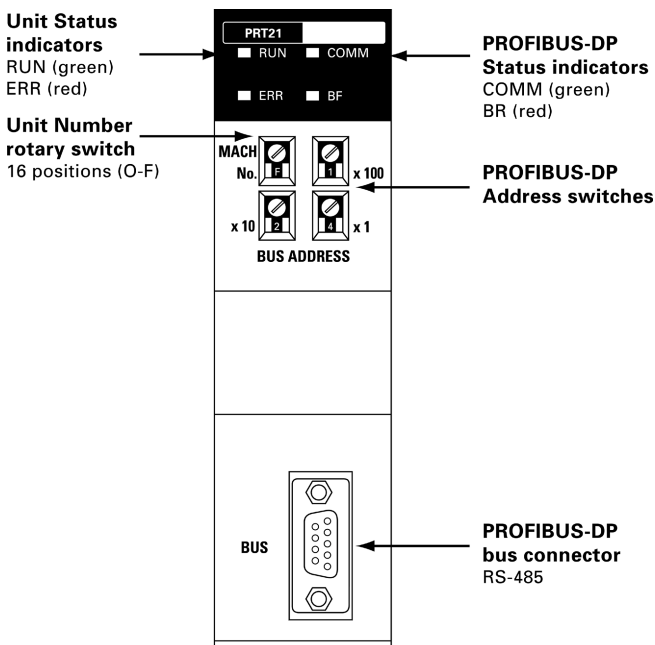
■ Unit Specification

| | | |
|--|---|---|
| Host PLC system | C200HS, C200HE, C200HG, C200HX, CS1 | |
| Maximum number of Units per PLC system | C200HS, C200HE C200HG-CPU3- -E/CPU4- -E C200HX-CPU3- -E/CPU4- -E | 10 |
| | All others | 16 |
| Master Unit mounting position | CPU Rack or Expansion I/O Rack Unit cannot be mounted to SYSMAC BUS Slave Racks. Unit cannot be used on a C200H-CPU- - PLC system | |
| Current consumption | 250 mA at 5 V DC (from PLC power supply) | |
| Weight | 180 g | |
| Switch settings | Special I/O Unit number (0-F) by rotary switch PROFIBUS-DP node address (001-125) by 3 rotary switches | |
| LED indicators | Unit status : RUN (green LED), ERR (red LED) Network status : COMM (green LED), BF (red LED) | |
| No. of IR words | PLC ! Unit : 3 words (1 word of control data + 2 words slave input data) Unit ! PLC : 5 words (3 words of unit status + 2 words slave output data) | |
| No. of DM settings | 8 words of Unit setup information | |
| Amount of I/O data per Unit | Default [DM settings all 0000] | all PLC's : 2 words in + 2 words out |
| | With user defined DM settings | C200HS : up to 80 words in + out all others : up to 100 words in + 100 words out |
| Storage temperature | -20 to +75 °C | |
| Operating temperature | 0 to +55 °C | |
| Operating humidity | 10% to 90% (non-condensing) | |
| Conformance to EMC- and environmental standards | EN50081-2 EN61131-2 | |

■ Limitations

Max. 100 words in + 100 words out are exchanged between PLC and PROFIBUS.

Nomenclature



Dimensions

