



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Connects up to Eight Multiple I/O Units to Profibus-DP

- Profibus-DP compliant slave unit.
- Allows flexible combinations of I/O points.
- A wide range of I/O-types available.
- DIN rail mounting.
- High/low byte swap mechanism.



Ordering Information

Product Code	Description
PRT1-COM	Profibus-DP multiple I/O terminal
W900-E2-1	Operation Manual

Specifications

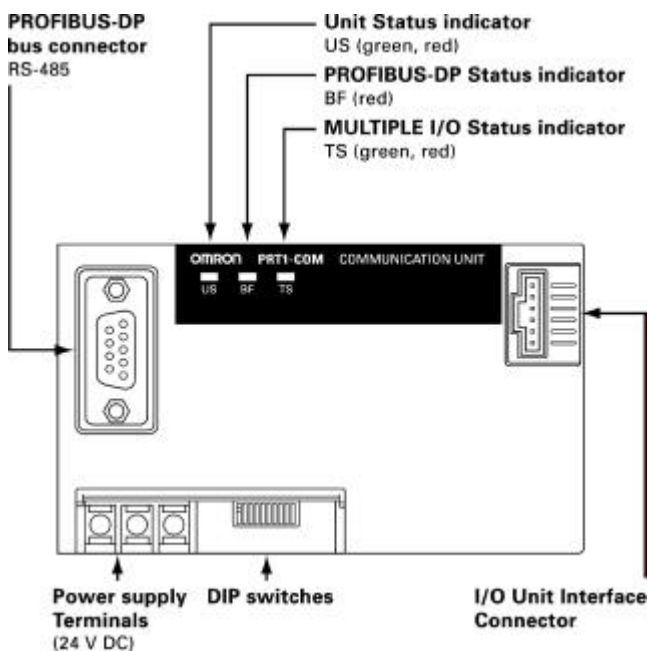
■ Communication Specification

Applicable standard	EN 50170 vol. 2
Type	Profibus-DP Slave
Bus connector	9-pin sub-D female
Bus termination	External
Baud rate (auto-detect)	9.6 / 19.2 / 45.45 / 93.75 / 187.5 / 500 kbit/s, 1.5 / 3 / 6 / 12 Mbit/s
Profibus address range	0 to 125
Communication cable	Type A (EN 50170 vol. 2)
Minimum slave interval time	0.5 ms
Input data	4 status bytes + max. 128 data bytes
Output data	max. 128 data bytes
Supported DP functions	Data_Exchange Slave_Diag Set_Prm Chk_Cfg Global_Control (SYNC, FREEZE, CLEAR) Get_Cfg RD_Inp RD_Outp
Profibus-DP GSD file	OC_047D.GSD

■ Unit Specification

Number of MULTIPLE I/O Units		8 max.
Input data		128 bytes max.
Output data		128 bytes max.
MULTIPLE I/O power supply		0.3 A max.
Indicators	Unit Status LED green / red	OFF: Power not OK Green ON: Unit OK Green BLINK: Initialising Red ON: Unit error
	Bus Failure LED (Profibus-DP) red	OFF: No errors ON: Response monitoring time has elapsed. The master did not address PRT1-COM within the configured watchdog time. PRT1-COM was not parameterised or not properly configured.
	Terminal Status LED (MULTIPLE I/O) green / red	OFF: Power overload Green ON: Communication OK Green BLINK: Special I/O Unit Error Red ON: Bus fault Configuration fault End station fault I/O Unit over Basic I/O Unit Error
Storage temperature		-20 to +65 °C
Ambient temperature		-10 to +55 °C
Ambient humidity		25 to 85% (non-condensing)
EMC compliance		EN 50081-2, EN 61131-2
Dielectric strength		500 VAC for 1 min.
Power supply		20.4 to 26.4 V DC
Current consumption on 24 V DC power supply		Multiple I/O current consumption + 0.15 [A]
Inrush current		30 A max.
Weight		165 g (typical)

Nomenclature



Dimensions

Note: All units are in millimeters unless otherwise indicated.

