CS-series DeviceNet Unit

CS1W-DRM21-V1

A DeviceNet Unit for the CS Series

- Allows control of up to 32,000 points (2,000 words) per master, and ensures a high degree of simultaneity between data.
- Can be used as both a master and a slave at the same time.
- Equipped with settings and monitor functions aimed at improving both design and startup efficiency. Achieve maximum performance by using in combination with a Configurator.
- Files of master and slave settings can be uploaded and downloaded using memory cards, allowing effective debugging and easier setup.

Ordering Information

Unit classification	Product name	Specifications				No. of unit numbers allocated	Current consumption (A)		Model
		Communications Cable	Communications	Redundant communications	Max. No. of Units mounted to 1 CPU Unit		5V	26V	
CS1 CPU Bus Unit	DeviceNet Unit	DeviceNet Cable	• Remote I/O Communications Master (fixed allocations or user-set allocation) • Remote I/O Communications Slave (fixed allocation or user-set allocation) • Message communications	Not supported.	16	1	0.29	-	CS1W-DRM21-V1

Master/Slave Specifications

Communications power supply voltage			11 to 25 VDC ✳1
Current consumption			Communications: 30 mA max. Internal circuit: 290 mA max.
Max. number of connectable slaves	Remote I/O, explicit message service		63 ✳2
Maximum I/O points	Fixed allocations	When used as a master	2,048 points
		When used as a slave	32 points
	User-set allocations	Using allocated DM Area words — When used as a master	16,000 points
		Using allocated DM Area words — When used as a slave	3,200 points
		Using Configurator — When used as a master	32,000 points
		Using Configurator — When used as a slave	4,800 points
Number of allocated words	Fixed allocations	When used as a master	64 input and 64 output words Software switch/status area: 25 words
		When used as a slave	input word, 1 output word ✳3
	User-set allocations	Using allocated DM Area words — When used as a master	500 input and 500 output words Software switch/status area: 25 words
		Using allocated DM Area words — When used as a slave	100 input and 100 output words ✳3 Software switch/status area: 25 words
		Using Configurator — When used as a master	500 input words x 2 blocks, 500 output words x 2 blocks Software switch/Status area: 25 words
		Using Configurator — When used as a slave	100 input words x 1 blocks, 100 output words x 2 blocks Software switch/Status area: 25 words
Max. message length			542 bytes ✳4
Max. number of Units mountable to PLC	Fixed allocations		3
	User-set allocations		16
Weight			169 g

✳1.   Refer to the *DeviceNet Operation Manual* (W267) for the communications power supply specifications.
✳2.   The Device Unit uses a node, and so connection is possible to 63 slaves only.
✳3.   When the DeviceNet is used as a slave, "input" and "output" respectively refer to input from the slave to the master and output from the master to the slave.
✳4.   The maximum message length includes the command code when using the CMND instruction.

General Specifications

The specifications conform to the CS Series. Refer to the *CS Series Catalog* (P047) for details on CS-series specifications.

Dimensions

34.5 X 130 X 111.2 mm (W X H X D)