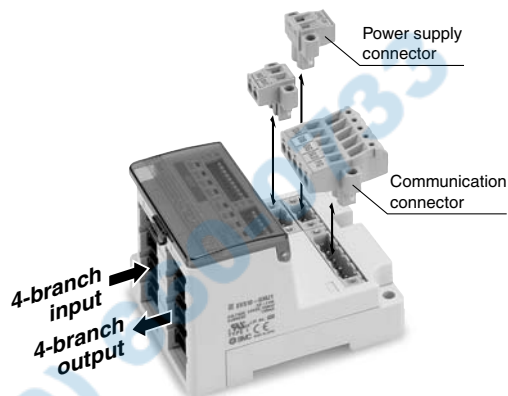


Decentralized Serial Wiring (GW System, 4 Branches) Series EX510



GW Unit



How to Order

EX510-G **MJ1**

Communication protocol

MJ1	CC-Link
DN1	DeviceNet
PR1	PROFIBUS DP

Specifications

Model		EX510-GMJ1	EX510-GDN1	EX510-GPR1
Communication specification	Applicable system	CC-Link	DeviceNet	PROFIBUS DP
	Protocol Version <small>Note 1)</small>	Ver. 1.10	Release 2.0	DP-V0
	Communication speed	156 k/625 k/ 2.5 M/5 M/10 Mbps	125 k/250 k/ 500 kbps	9.6 k/19.2 k/45.45 k/ 93.75 k/187.5 k/500 k/ 1.5 M/3 M/6 M/12 Mbps
	Specified file <small>Note 2)</small>	—	EDS file	GSD file
	Occupied area (Number of inputs/outputs)	96/96 <small>(3 stations, remote device station) * Possible to change depending on the switch setting</small>	64/64 * Possible to change depending on the switch setting	
Terminal resistor	Not applicable		Applicable	
Power supply	For unit	24 VDC±20%	11 to 25 VDC (Supplied by DeviceNet circuit, 50 mA or less)	24 VDC±20%
	For sensors		24 VDC±20%	
	For valve	24 VDC±10%/-5%		
Internal current consumption	100 mA or less (single GW unit)			
Input specification	Number of inputs	64 points (16 points x 4 branches) * Possible to change depending on the switch setting		
	Connection input device	The EX510 series input unit (connection from communication port A to D)		
	Supply voltage	24 VDC		
	Supply current	Max. 4A (Max. 1 A per branch)		
Output specification	Number of outputs	64 points (16 points x 4 branches) * Possible to change depending on the switch setting		
	Connection output device	The EX510 series SI unit manifold and output unit (connection from communication port A to D)		
	Supply voltage	24 VDC		
	Supply current	Max. 6 A (Max. 1.5 A per branch)		
Branch cable length	20 m or less			
Environmental resistance	Enclosure	IP20		
	Operating temperature range	-10 to 50°C		
	Operating humidity range	35 to 85%RH (with no condensation)		
	Withstand voltage	500 VAC for 1 min. between external terminals and FG		
	Insulation resistance	10 MΩ or more (500 VDC) between external terminals and FG		
	Vibration resistance	10 to 150 Hz with a 0.035 mm amplitude or 4.9 m/s ² in each X, Y, Z direction for 2 hrs (De-energized)		
Impact resistance	147 m/s ² in each X, Y, Z direction, 3 times (De-energized)			
Standard	CE marking, UL (CSA)			
Accessory	Communication connector 1 pc., Power supply connector 2 pcs.		Communication connector 1 pc., Power supply connector 2 pcs., Terminal resistor 1 pc.	

Note 1) Please note that the version is subject to change.

Note 2) Each file can be downloaded from SMC's website (<http://www.smcworld.com/>).

Note 3) For detailed specifications other than the above, refer to the separate technical operation manual that can be downloaded from SMC's website (<http://www.smcworld.com/>).

Dimensions

