

GW Unit Specifications

Model		EX500-GDN1	EX500-GPR1A	EX500-GMJ1	EX500-GEN1	
Communication specification	Applicable system	Protocol	DeviceNet	PROFIBUS DP	CC-Link	EtherNet/IP
		Version ^{Note 1)}	Release 2.0	DP-V0	Ver. 1.10	Release 1.0
	Communication speed	125k/250k/500kbps	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	156 k/625 k/ 2.5 M/5 M/10 Mbps	10 M/100 Mbps	
	Specified file ^{Note 2)}	EDS file	GSD file	—	EDS file	
	Occupied area (Number of inputs/outputs)	64/64	64/64	96/96 (3 stations, remote device station)	128/128	
Terminal resistor	Not applicable	Built in the unit (Switch setting)	Not applicable			
Power supply	For unit	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 (Unit)		200 mA or less (GW unit)				
Input specification	Number of inputs	64 points (16 points x 4 branches)				
	Connection input device	The EX500 series input unit manifold (connection from communication port A to D)				
	Supply voltage	24 VDC				
	Supply current	Max. 2.8 A (Max. 0.7 A per branch)				
Output specification	Number of outputs	64 points (16 points x 4 branches)				
	Connection output device	The EX500 series SI unit manifold (connection from communication port A to D)				
	Supply voltage	24 VDC				
	Supply current	Max. 3.0 A (Max. 0.75 A per branch)				
Branch cable length		5 m or less between connected devices (total extension 10 m or less)				
Environmental resistance	Enclosure	IP65				
	Operating temperature range	Operating: 5 to 45°C Stored: –25 to 70°C (with no freezing and condensation)				
	Operating humidity range	Operating, Stored: 35 to 85%RH (with no condensation)				
	Withstand voltage	1000 VAC for 1 min. between whole charging part and case				
	Insulation resistance	2 MΩ or more (500 VDC Mega) between whole charging part and case				
	Vibration resistance	10 to 150 Hz with a 0.7 mm amplitude or 50 m/s ² in each X, Y, Z direction for 2 hrs (De-energized)				
	Impact resistance	150 m/s ² in each X, Y, Z direction, 3 times (De-energized)				
Standard		CE marking, UL (CSA)				
Mass		470 g				
Accessory: Waterproof cap (for M12 connector socket)		EX500-AWTS (4 pcs.)	EX500-AWTS (5 pcs.)	EX500-AWTS (4 pcs.)	EX500-AWTS (5 pcs.)	

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/>).

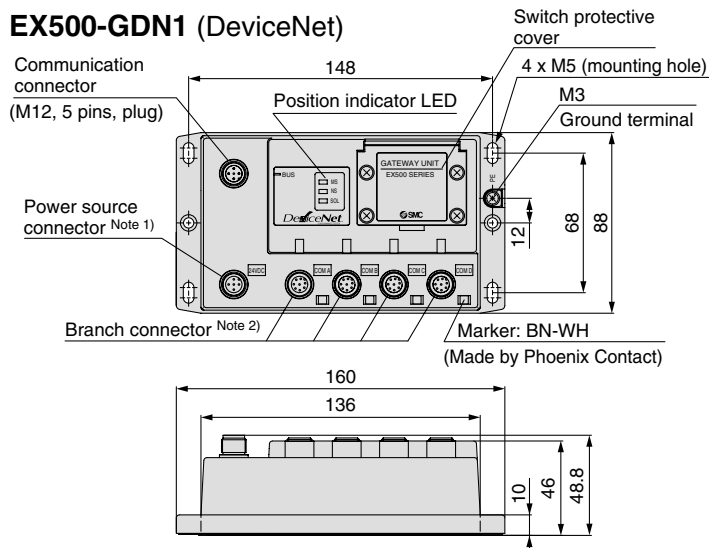
Note 3) For detailed specifications other than the above, refer to the separate technical operation manual can be downloaded from SMC's website (<http://www.smcworld.com/>).

EX

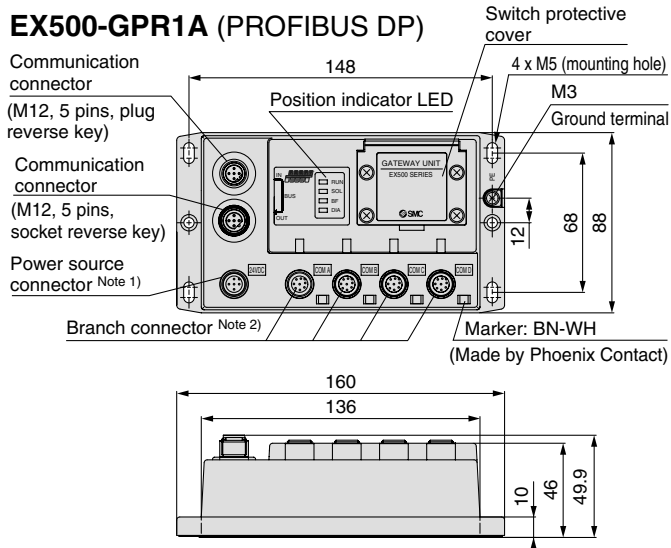
Series EX500

GW Unit Dimensions / Parts Description

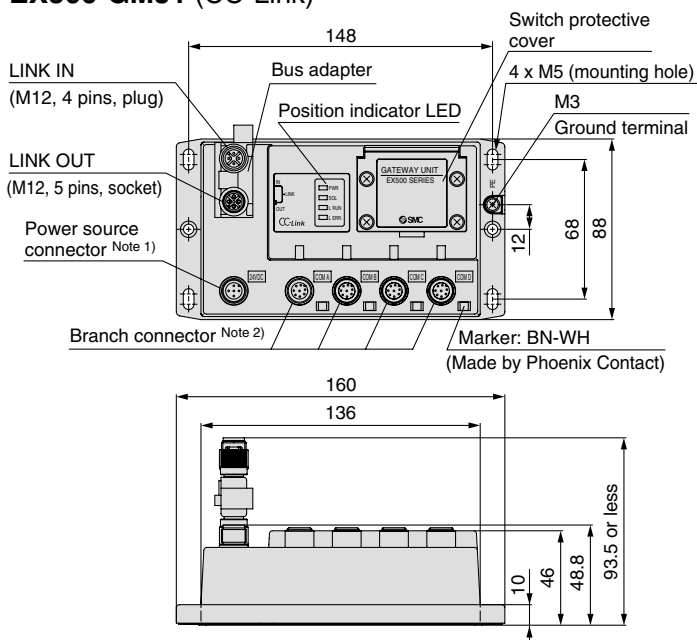
EX500-GDN1 (DeviceNet)



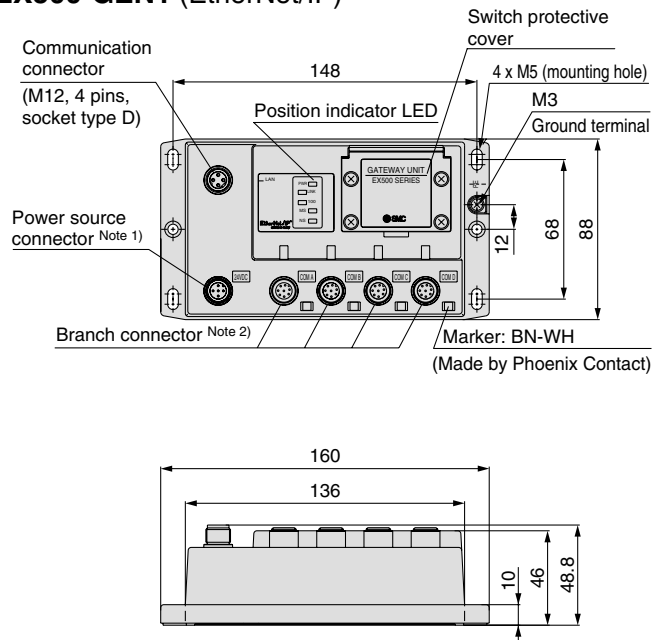
EX500-GPR1A (PROFIBUS DP)



EX500-GMJ1 (CC-Link)



EX500-GEN1 (EtherNet/IP)



Note 1) Power supply connector specification

(M12, 5 pins, plug)

Note 2) Branch connector specification

(M12, 8 pins, socket)