



Series EX260

SI Unit Specifications

Model		EX260-SPR1/3	EX260-SPR2/4	EX260-SPR5/7	EX260-SPR6/8	EX260-SDN1/3	EX260-SDN2/4	EX260-SMJ1/3	EX260-SMJ2/4
Applicable system	Protocol		PROFI	BUS DP		DeviceNet™		CC-Link	
	Version Note 1)	DP-V0				Volume 1(Edition 3.5) Volume 3(Edition 1.5)		Ver.1.10	
	Configuration file Note 3)		GSI) file		EDS file		—	
I/O occupation area (Inputs/Outputs)		SPR1: 0/32 SPR3: 0/16	SPR2: 0/32 SPR4: 0/16	SPR5: 0/32 SPR7: 0/16	SPR6: 0/32 SPR8: 0/16	SDN1: 0/32 SDN3: 0/16	SDN2: 0/32 SDN4: 0/16	SMJ1: 32/32 SMJ3: 32/32 (1 station, remote I/O stations)	SMJ2: 32/32 SMJ4: 32/32 (1 station, remote I/O stations)
Communication speed		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				125 k/250 k/500 kbps		156 k/625 k/ 2.5 M/5 M/10 Mbps	
Power supply Power supply voltage for control Internal current consumption			21.6 to 26.4 VDC					21.6 to 26.4 VDC	
		100 mA or less				_		100 mA or less	
Power supply for o	supply for output Power supply voltage			22.8 to 2	26.4 VDC				
Power supply for	Power supply voltage			_		11 to 25 VDC		—	
communication	Internal current consumption					100 mA or less		_	
Communicati	on connector specification	M12 D-sub			M		12		
Terminating resistor switch		Bui	Built-in No		ne		Built-in		
	Output type	Source/PNP (Negative common)	Sink/NPN (Positive common)	Source/PNP (Negative common)	Sink/NPN (Positive common)	Source/PNP (Negative common)	Sink/NPN (Positive common)	Source/PNP (Negative common)	Sink/NPN (Positive common)
	Number of outputs	SPR1: 32 points SPR3: 16 points	SPR2: 32 points SPR4: 16 points	SPR5: 32 points SPR7: 16 points	SPR6: 32 points SPR8: 16 points	SDN1: 32 points SDN3: 16 points	SDN2: 32 points SDN4: 16 points	SMJ1: 32 points SMJ3: 16 points	SMJ2: 32 points SMJ4: 16 points
Output	Load		Solenoid	valve with prote	ctive circuit for su	rge voltage of 24	VDC/1.5 W or les	s (SMC)	
	Supplied voltage	24 VDC							
	Supplied current	SPR1: Max. 2.0 A SPR3: Max. 1.0 A	SPR2: Max. 2.0 A SPR4: Max. 1.0 A	SPR5: Max. 2.0 A SPR7: Max. 1.0 A	SPR6: Max. 2.0 A SPR8: Max. 1.0 A	SDN1: Max. 2.0 A SDN3: Max. 1.0 A	SDN2: Max. 2.0 A SDN4: Max. 1.0 A	SMJ1: Max. 2.0 A SMJ3: Max. 1.0 A	SMJ2: Max. 2.0 A SMJ4: Max. 1.0 A
	Enclosure	IP	67	IP40		IP67			
Environment	Operating temperature range	14 to 122°F (-10 to 50°C)							
resistance	Operating humidity range	35 to 85%RH (No condensation)							
	Withstand voltage	500 VAC for 1 minute between terminals and housing							
	Insulation resistance	10 M Ω or more (500 VDC measured via megohmmeter) between terminals and housing							
Standards CE marking, UL					(CSA) compatible				
Weight		0.44 lbs (200 g)							
Accessories	Mounting screw				2 p	pcs.			
	Seal cap (for M12 connector socket)	EX9-AW	TS (1 pc.)	_		EX9-AW		TS (1 pc.)	
		_	_	_					,

	Model	EX260-SEC1/3	EX260-SEC2/4	EX260-SPN1/3	EX260-SPN2/4	EX260-SEN1/3	EX260-SEN2/4	
Applicable system	Protocol	EtherCA	AT Note 2)	PROFINET Note 2) Ethe		EtherNet/	IP™ Note 2)	
	Version Note 1)	Conformance Test Record V.1.1		PROFINET Specification Version 2.2		Volume 1(Edition 3.8) Volume 2(Edition 1.9)		
	Configuration file Note 3)	3) XML file		GSD file		EDS file		
I/O occupation area (Inputs/Outputs)		SEC1: 0/32 SEC3: 0/16	SEC2: 0/32 SEC4: 0/16	SPN1: 0/32 SPN3: 0/16	SPN2: 0/32 SPN4: 0/16	SEN1: 16/32 SEN3: 16/16	SEN2: 16/32 SEN4: 16/16	
Communication speed			100 Mb	0 Mbps Note 2) 10 M/100 Mbps Note 2)				
Power supply	Power supply voltage		21.6 to 26.4 VDC				•	
for control	Internal current consumption	100 mA or less						
Power supply for output	Power supply voltage	22.8 to 26.4 VDC						
Power supply for	Power supply voltage			-	_			
communication	Internal current consumption							
Communication	n connector specification			M	12			
Terminating resistor switch		None						
Output	Output type	Source/PNP (Negative common)	Sink/NPN (Positive common)	Source/PNP (Negative common)	Sink/NPN (Positive common)	Source/PNP (Negative common)	Sink/NPN (Positive common)	
	Number of outputs	SEC1: 32 points SEC3: 16 points	SEC2: 32 points SEC4: 16 points	SPN1: 32 points SPN3: 16 points	SPN2: 32 points SPN4: 16 points	SEN1: 32 points SEN3: 16 points	SEN2: 32 points SEN4: 16 points	
	Load	Solenoid valve with protective circuit for surge voltage of 24 VDC/1.5 W or less (SMC) voltage of 24 VDC/1.5 W or less (SMC)						
	Supplied voltage	24 VDC						
	Supplied voltage	SEC1: Max. 2.0 A SEC3: Max. 1.0 A	SEC2: Max. 2.0 A SEC4: Max. 1.0 A	SPN1: Max. 2.0 A SPN3: Max. 1.0 A	SPN2: Max. 2.0 A SPN4: Max. 1.0 A	SEN1: Max. 2.0 A SEN3: Max. 1.0 A	SEN2: Max. 2.0 A SEN4: Max. 1.0 A	
	Enclosure	IP67						
Environmental resistance	Operating temperature range		Note 1) Please note that the					
	Operating humidity range		change.					
	Withstand voltage	500 VAC for 1 minute between terminals and housing						Note 2) Use a CAT5 or higher
	Insulation resistance	10 MΩ or	transmission cable for					
Standards			EtherCAT, PROFINET,					
Weight	ht 0.44 lbs (200 g)					EtherNet/IP [™] .		
Accessories	Mounting screw	2 pcs.						downloaded from the SMC
	Seal cap (for M12 connector socket)	EX9-AWTS (1 pc.)					website, http://www.smcworld.com	

Series EX260

SI Unit Dimensions

M12 communication connector type





D-sub communication connector type



Functions of SI Unit Parts

<LED indication and setting switch>



Note) The setting switch varies depending on the model. Refer to the operation manual for details. Please download it via the SMC website, http://www.smcworld.com

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<Connector> M12 communication connector type

	Part no.	EX260-SPR1/-SPR2 -SPR3/-SPR4	EX260-SDN□	EX260-SMJ□	EX260-SEC□ EX260-SPN□ EX260-SEN□		
	Communication protocol	PROFIBUS DP	DeviceNet™	CC-Link	EtherCAT PROFINET EtherNet/IP™		
	Communication connector (M12) BUS OUT	5 pins, socket, B code	5 pins, socket, A code	5 pins, socket, A code	4 pins, socket, D code		
	Communication connector (M12) BUS IN	5 pins, plug, B code	5 pins, plug, A code	4 pins, plug, A code	4 pins, socket, D code		
	Ground terminal	M3					
-	Power connector (M12)	5 pins, plug, A code	4 pins, plug, A code	5 pins, plug, B code	5 pins ^{Note1)} , 4 pins ^{Note2)} , plug, A code		

Note 1) For EtherCAT, PROFINET Note 2) For EtherNet/IP™

D-sub communication connector type

	Part no.	EX260-SPR5/-SPR6/-SPR7/-SPR8		
	Communication protocol	PROFIBUS DP		
	Ground terminal	M3		
	Communication connector (D-sub) BUS IN/OUT	9 pins, socket		
000	Power connector (M12)	5 pins, plug, A code		

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