Contact our sales office for delivery dates and prices as this is a special model.

Specialized Product P.G. Point to Group information

CC-Link IE Field Compatible Fieldbus System

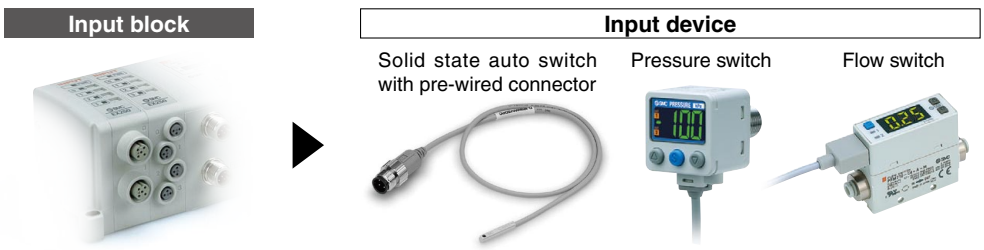
EX250-SCF1-X200

Features Supports the CC-Link IE Field*1 communication protocol

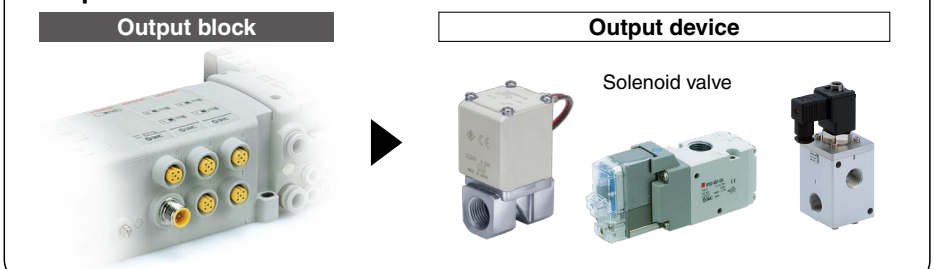
*1 CC-Link IE Field: Industrial Ethernet network that supports a communication speed of 1 Gbps

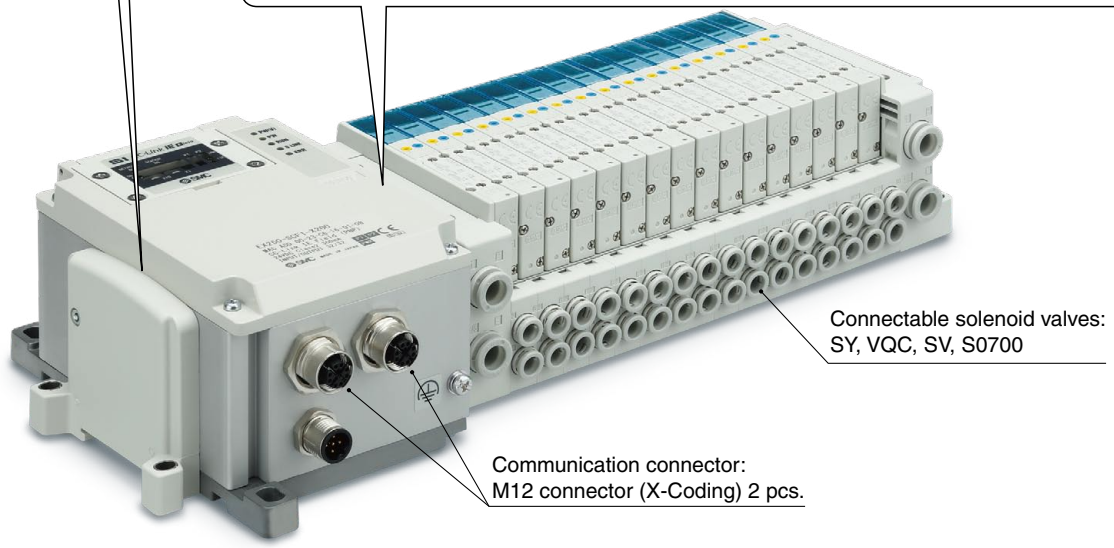
- **Number of inputs and outputs: 32 inputs/32 outputs**
- **Enclosure: IP65**
- **Communication connector: M12 connector (X-Coding) 2 pcs.**

Various sensors can be connected using the input block.



Separately mounted solenoid valves can be connected using the output block.





⚠ Caution To ensure the safest possible operation of this product, please be sure to thoroughly read the **"Safety Instructions"** in our "Best Pneumatics" catalog before use.

SMC Corporation 4-14-1, SOTO-KANDA, CHIYODA-KU, TOKYO 101-0021, JAPAN **URL: http://www.smcworld.com**

SP175X-004E
P: VU

Specifications

Item		Specifications
Protocol		CC-Link IE Field
Station type		Remote device station
Communication speed		1 Gbps
Allowable station number setting		1 to 120
Allowable network number setting		1 to 239
Configuration file		CSP+
Power supply voltage	**For control unit and input block**	19.2 to 28.8 VDC (24 VDC ±20%)
	For solenoid valve	22.8 to 26.4 VDC (24 VDC ±10%/−5%)
Input	**Number of inputs**	32 inputs
	Connection block	Input block *1
	Supply current for block	Max. 1 A
Output	**Number of outputs**	32 outputs
	Output type	Source/PNP (Negative common)
	Connected load	Solenoid valve with surge voltage suppressor of 24 VDC and 1.5 W or less (made by SMC)
	Residual voltage	0.3 VDC or less
	Load current	Max. 2 A
Current consumption		0.3 A or less (SI unit internal parts)
Weight		800 g or less
Standard		CE marking

Please contact SMC for the CSP+ file and operation manual.

*1 Refer to the following for the connectable blocks.

Part number		Remarks
For input device	**EX250-IE1**	M12 connector, 2 inputs
	EX250-IE2	M12 connector, 4 inputs
	EX250-IE3	M8 connector, 4 inputs
For output device	**EX9-OET1***2	M12 connector, 2 outputs Source/PNP (Negative common), for low loads
	EX9-OEP1	M12 connector, 2 outputs Source/PNP (Negative common), for high loads
	EX9-PE1*2	M12 connector, Power block

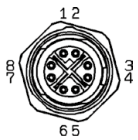
*2 Refer to the following for the blocks for output devices which can be mounted to the 1st station on the U side.

Part number	Remarks
EX9-OET1-X31	For CC-Link IE Field
EX9-PE1-X31	

Wiring Specifications

Communication connector PORT 1 (P1) & PORT 2 (P2)

M12 8-pin socket, X-Coding (Cat. 6A)



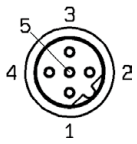
No.	Designation
1	DA+
2	DA−
3	DB+
4	DB−
5	DD+
6	DD−
7	DC−
8	DC+

Mating cable examples [M12 connector — Separate lines]
: NBC-MSX/1,0-94F SCO (Order no.: 1407467) (1 m)
: NBC-MSX/2,0-94F SCO (Order no.: 1407468) (2 m)
: NBC-MSX/5,0-94F SCO (Order no.: 1407469) (5 m), etc.
(made by PHOENIX CONTACT)

[M12 connector — RJ45 connector]
: NBC-MS/1,0-94B/R4AC SCO (Order no.: 1407414) (1 m)
: NBC-MS/2,0-94B/R4AC SCO (Order no.: 1407415) (2 m)
: NBC-MS/5,0-94B/R4AC SCO (Order no.: 1407416) (5 m), etc.
(made by PHOENIX CONTACT)

Power supply connector PWR

M12 5-pin plug, B-coded



No.	Designation	Function
1	SV24V	+24 V for solenoid valve
2	SV0V	0 V for solenoid valve
3	SW24V	+24 V for control unit and input block
4	SW0V	0 V for control unit and input block
5	E	Grounding

Mating cable examples: EX9-AC010-1 (1 m)
: EX9-AC030-1 (3 m)
: EX9-AC050-1 (5 m) (made by SMC), etc.

How to Order

EX250 – S CF 1 – X200

Communication protocol

CF	CC-Link IE Field

Output specification

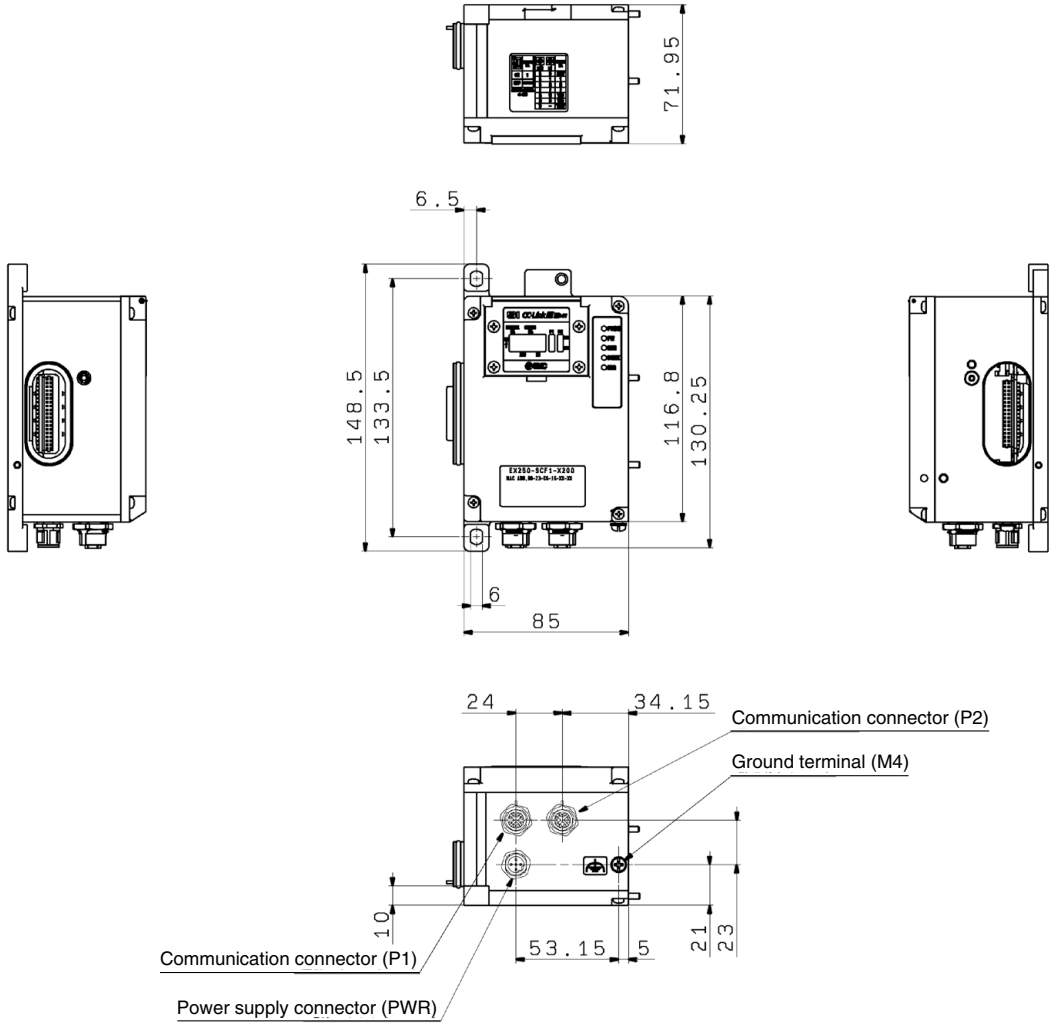
1	32 outputs, PNP (Negative common)/Source

∗ When ordering, order the end plate (Part no.: EX250-EA1) as a set to be used in combination.

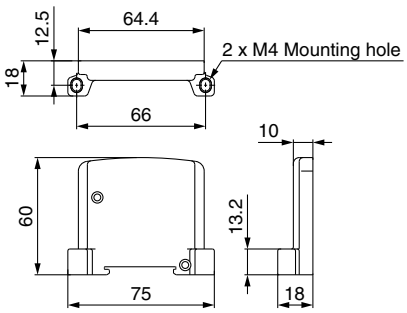
Dimensions

[mm]

EX250-SCF1-X200



EX250-EA1



⚠Caution

- For the dimensions when combined with the valve manifold, add the dimensions of this SI unit and end plate to the standard valve manifold dimensions of the “no SI unit” type.
- Order the valve manifold separately. Specify “no SI unit” and “negative common” for the valve manifold specifications.