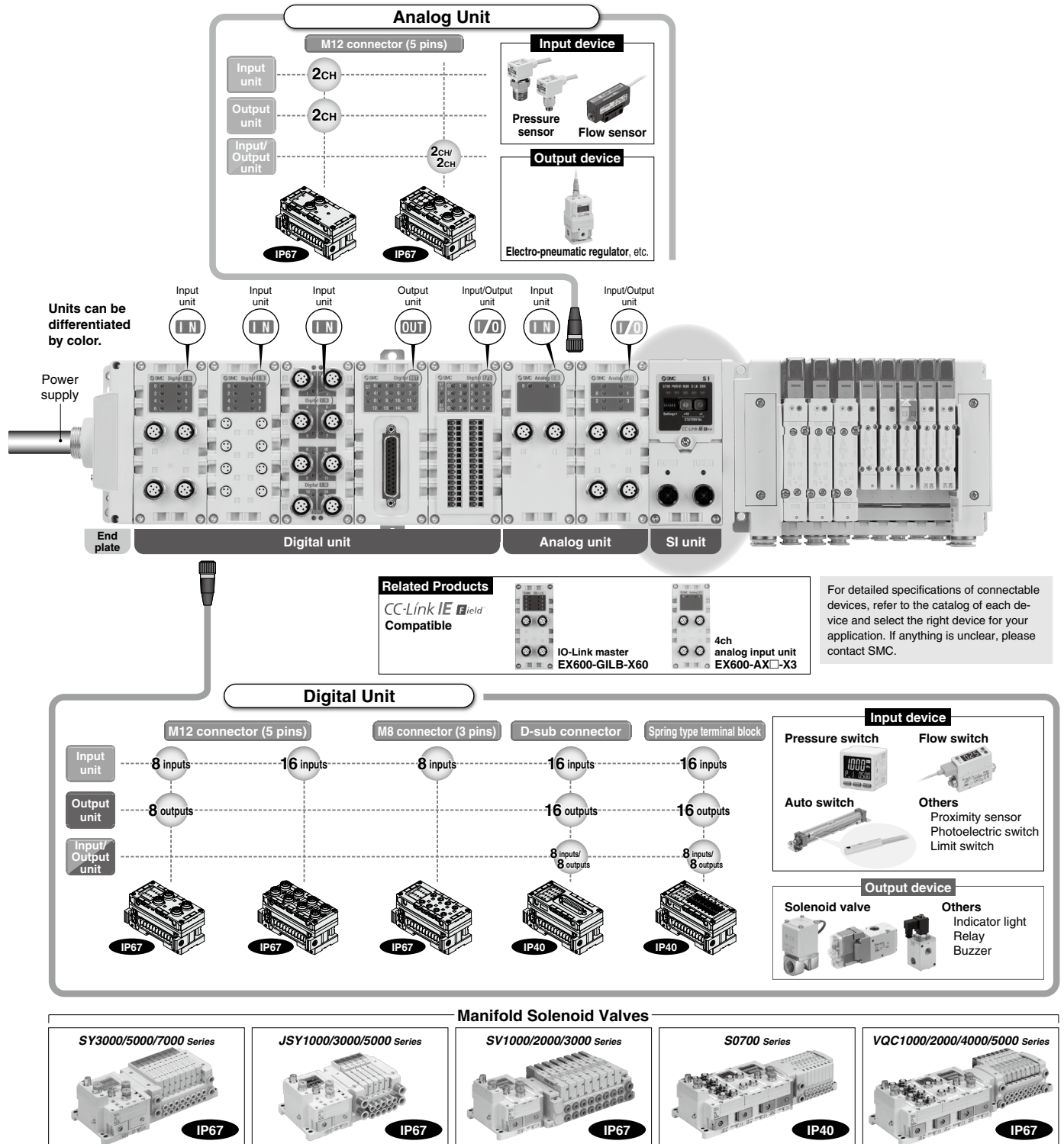


CC-Link IE Field™ Compatible Fieldbus System



■ Supports the CC-Link IE Field™ communication protocol

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



Prepare the SI unit, each type of unit, and the manifold valve (without SI unit) separately, and combine them before use.

EX600-SCF1-X60



20-E745

EX600-SCF1-X60

How to Order

EX600 – S C F 1 – X60

Communication protocol

CF CC-Link IE Field

Output specification

1 32 outputs, PNP (Negative common)/Source

* Order the end plate and input/output units as a set to be used in combination.

Specifications

Item		Specifications
Communication	Protocol	CC-Link IE Field
	Station type	Intelligent device station
	Communication speed	1 Gbps
	Allowable station number setting	1 to 120
	Allowable network number setting	1 to 239
	Transmission method	Cyclic transmission
	Configuration file	CSP+
	Network topology	Star, Line, Ring
	Occupied input size	RX: 32 to 176 bits RWr: 32 to 608 words
	Occupied output size	RY: 32 to 176 bits RWw: 32 to 608 words
Internal current consumption (Power supply for control/input)		140 mA or less
Output	Output type	Source/PNP (Negative common)
	Number of outputs	32 outputs
	Connected load	Solenoid valve with surge voltage suppressor of 24 VDC and 1.0 W or less (made by SMC)
	Applicable valve manifold	SY3000, SY5000, SY7000 JSY1000, JSY3000, JSY5000 VQC1000, VQC2000, VQC4000, VQC5000 SV1000, SV2000, SV3000 S0700
	Power supply	24 VDC, 2 A
	Fail safe	HOLD/CLEAR
	Protection	Short-circuit protection
Operating temperature range		–10 to 50°C
Enclosure		IP67 (Manifold assembly)
Standards		CE marking (EMC directive/RoHS directive)
Weight		300 g or less

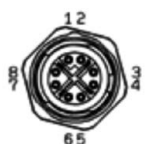
Please contact SMC for the operation manual and configuration file.

Refer to the catalog and the SMC website for other specifications of the EX600, end plate, and input/output units.

Wiring Specifications

Communication connector PORT 1 & PORT 2

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+

Communication cable examples

[M12 connector — RJ45 connector]

(made by PHOENIX CONTACT)

NBC-MSX/1,0-94F/R4AC SCO (Order No.1407471)(1 m)
NBC-MSX/2,0-94F/R4AC SCO (Order No.1407472)(2 m)
NBC-MSX/5,0-94F/R4AC SCO (Order No.1407473)(5 m)

(made by Mitsubishi Electric System & Service Co., Ltd.)

SC-E5EW-SX□*1M (For indoor use)

SC-E5EW-SX□*2M-MV (For indoor moving parts)

*1 The specified length (cable length) goes into the □. Units of 1 to 100 m/1 m

*2 The specified length (cable length) goes into the □. Units of 1 to 45 m/1 m

[M12 connector — M12 connector]

(made by PHOENIX CONTACT)

NBC-MSX/1,0-94F/MSX SCO (Order No.1407483)(1 m)

NBC-MSX/2,0-94F/MSX SCO (Order No.1407484)(2 m)

NBC-MSX/5,0-94F/MSX SCO (Order No.1407485)(5 m)

(made by Mitsubishi Electric System & Service Co., Ltd.)

SC-E5EW-X□*1M (For indoor use)

SC-E5EW-X□*2M-MV (For indoor moving parts)

*1 The specified length (cable length) goes into the □. Units of 1 to 100 m/1 m

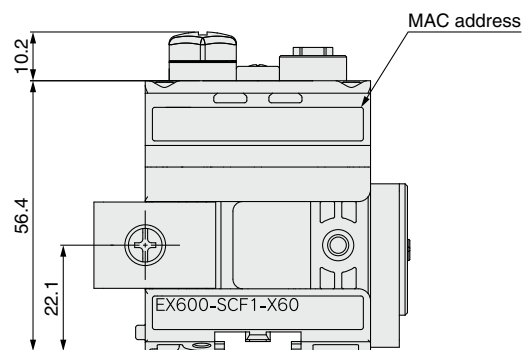
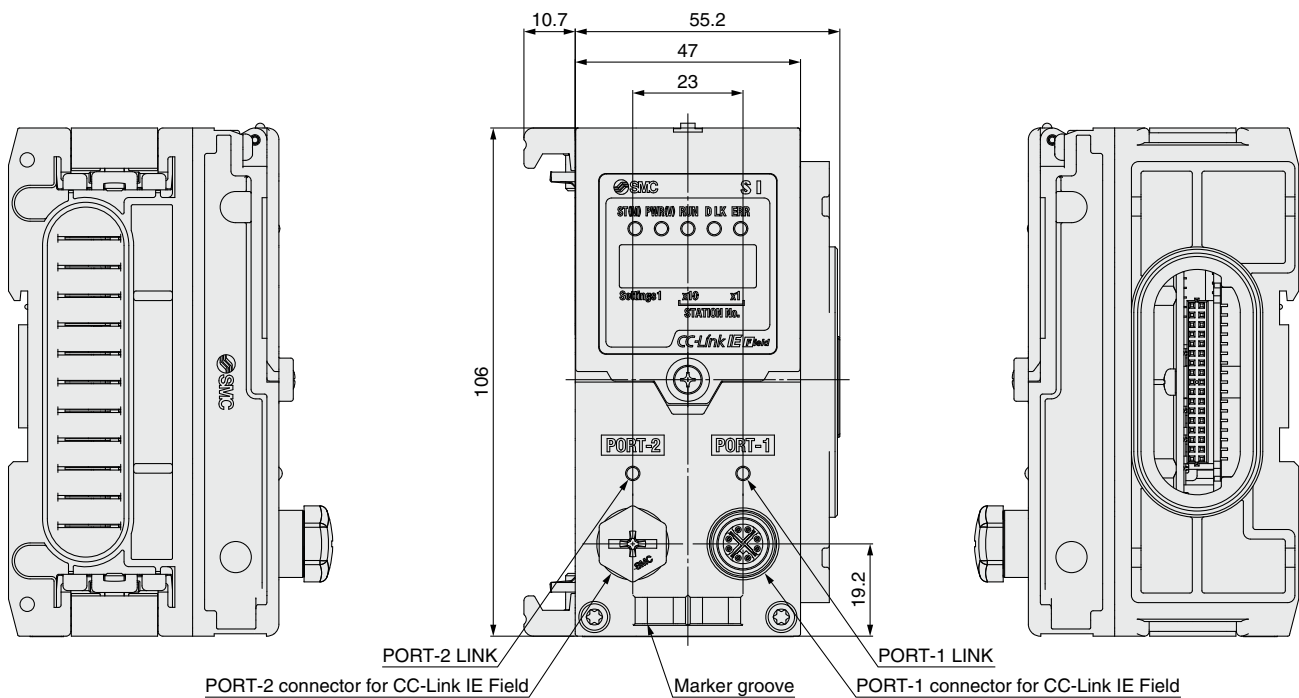
*2 The specified length (cable length) goes into the □. Units of 1 to 45 m/1 m

⚠ Caution

Communication cables need to be ordered directly from each company.

Dimensions

[mm]



Caution

1. For the dimensions when combined with the valve manifold, use the valve manifold dimensions of the standard EX600 series.
2. Order the valve manifold, end plate, and input/output units separately.
Specify "without SI unit" and "negative common" or "non-polar" for the valve manifold specifications.

 Safety Instructions	Be sure to read the “Handling Precautions for SMC Products” (M-E03-3) and “Operation Manual” before use.
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