

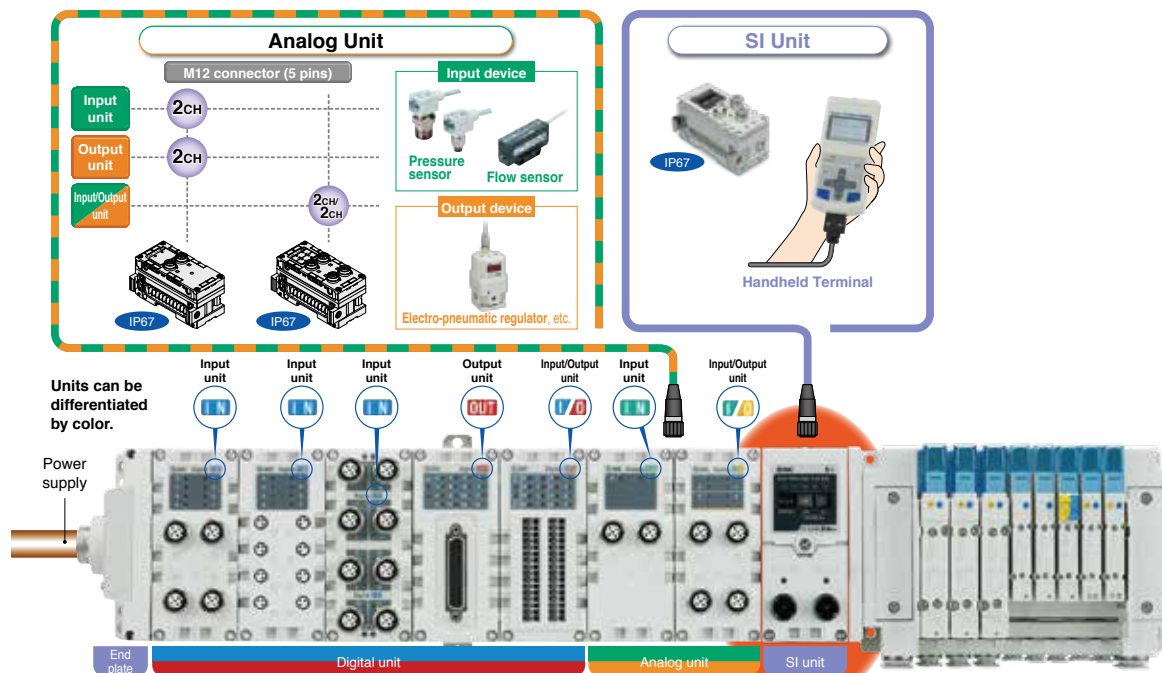


MODBUS TCP Compatible Fieldbus System

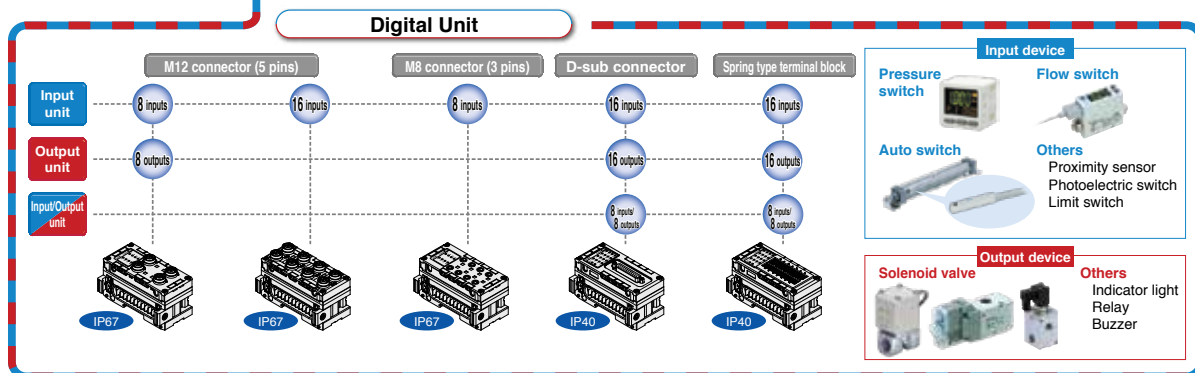
Supports MODBUS TCP Communication



EX600-SMT1-X25



For detailed specifications of connectable devices, refer to the catalog of each device and select the right device for your application. If anything is unclear, please contact SMC.



Manifold Solenoid Valves



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.

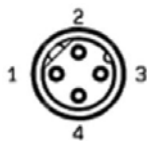
MODBUS Compatible Fieldbus System
EX600-SMT1-X25

Item	Description
General	
Enclosure	IP67(combination with valve manifold)
Housing material	PBT
Weight	300g or less
Operating temperature range	-10 to 50℃
Operating humidity range	30 to 85%RH(No dew condensation)
Vibration resistance	10 to 57Hz with constant amplitude of 0.75mm p-p 57 to 150Hz with constant acceleration of 49m/s ² for 2 hours in each direction of X,Y and Z (During de-energizing)
Max. number of I/O Unit	9
Standards	CE marked, RoHS recognition
Weight	300g or less
Solenoid valve	
Applicable series	VQC1000/2000/4000/, SV1000/2000/3000/ SY3000/5000/, S0700
Max. number of solenoid valves	32 solenoid coils
Output type of solenoid	PNP(Negative common)
Short circuit protection	YES
Fieldbus	
Protocol	Modbus/TCP
Media	100 BASE-TX
Communication speed	10/100Mbps(Automatic/Manual)
Communication method	Full duplex/Half duplex(Automatic/Manual)
IP address setting method	DHCP Dip switch;from 192.168.0.1 to 192.168.1.254
Function Code	Read Coils(0x01)
	Read Discrete Inputs(0x02)
	Read Holding Registers(0x03)
	Read Input Registers(0x04)
	Write Single Coil(0x05)
	Write Single Register(0x06)
	Write Multiple Coils(0x0F)
	Write Multiple Registers(0x10)
	Read/Write Multiple Registers(0x17)

Wiring Specifications

Communication connector BUS IN/OUT

M12 4-pin socket, D-Coding



No.	Designation
1	TX+
2	RX+
3	TX-
4	RX-

Mating cable examples [M12 connector (straight) — Separate lines]
: PCA-1446566 (5 m) made by SMC, etc.

[M12 connector (straight) (Fieldwireable connector)]
: PCA-1446553 made by SMC, etc.

[M12 connector (straight) — RJ45 connector]
: EX9-AC010EN-PSRJ (1 m)
: EX9-AC020EN-PSRJ (2 m)
: EX9-AC030EN-PSRJ (3 m)
: EX9-AC050EN-PSRJ (5 m)
: EX9-AC100EN-PSRJ (10 m)
(made by SMC), etc.

[M12 connector (straight) — M12 connector (straight)]
: EX9-AC010EN-PSPS-X19 (1 m)
: EX9-AC020EN-PSPS-X19 (2 m)
: EX9-AC030EN-PSPS-X19 (3 m)
: EX9-AC050EN-PSPS-X19 (5 m)
: EX9-AC100EN-PSPS-X19 (10 m)
(made by SMC), etc.

How to Order

EX600-SMT1-X25

Communication protocol

PL MODBUS TCP

Output specification

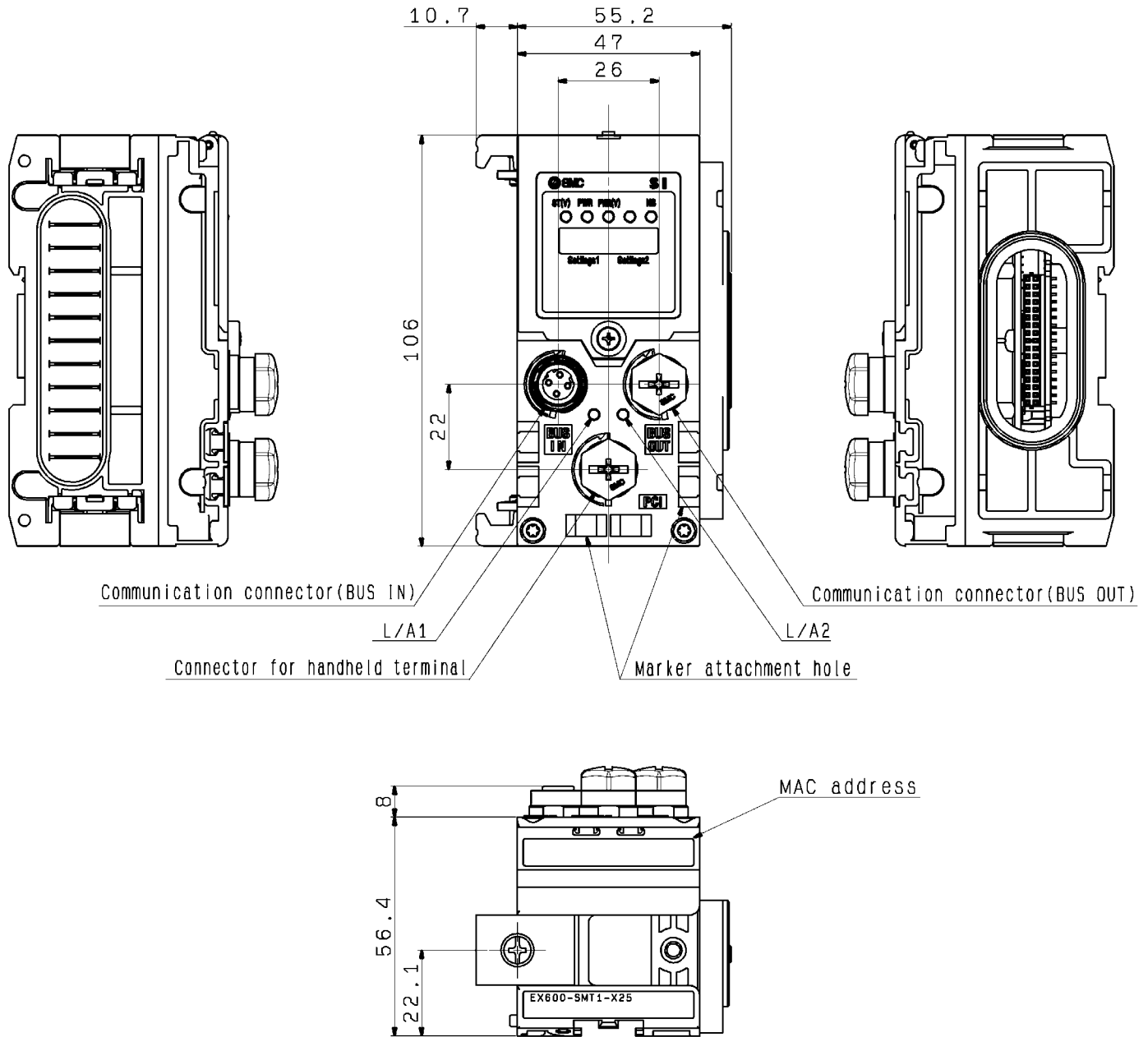
1 32 outputs, PNP (Negative common)/Source

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



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 "no SI unit" and "negative common" for the valve manifold specifications.

Global Manufacturing, Distribution and Service Network

Worldwide Subsidiaries

EUROPE

AUSTRIA
SMC Pneumatik GmbH (Austria)

BELGIUM
SMC Pneumatics N.V./S.A.

BULGARIA
SMC Industrial Automation Bulgaria EOOD

CROATIA
SMC Industrijska Automatika d.o.o.

CZECH REPUBLIC
SMC Industrial Automation CZ s.r.o.

DENMARK
SMC Pneumatik A/S

ESTONIA
SMC Pneumatics Estonia

FINLAND
SMC Pneumatics Finland OY

FRANCE
SMC Pneumatique S.A.

GERMANY
SMC Pneumatik GmbH

GREECE
SMC Hellas EPE

HUNGARY
SMC Hungary Ipari Automatizálási Kft.

IRELAND
SMC Pneumatics (Ireland) Ltd.

ITALY
SMC Italia S.p.A.

KAZAKHSTAN
LLP "SMC Kazakhstan"

LATVIA
SMC Pneumatics Latvia SIA

LITHUANIA
UAB "SMC Pneumatics"

NETHERLANDS
SMC Pneumatics B.V.

NORWAY
SMC Pneumatics Norway AS

POLAND
SMC Industrial Automation Polska Sp. z o.o.

ROMANIA
SMC Romania S.r.l.

RUSSIA
SMC Pneumatik LLC.

SLOVAKIA
SMC Priemyselná Automatizácia, Spol s.r.o.

SLOVENIA
SMC Industrijska Avtomatika d.o.o.

SPAIN / PORTUGAL
SMC España, S.A.

SWEDEN
SMC Pneumatics Sweden AB

SWITZERLAND
SMC Pneumatik AG

TURKEY
SMC Pnömatik Sanayi Ticaret ve Servis A.Ş.

UK
SMC Pneumatics (U.K.) Ltd.

ASIA / OCEANIA

AUSTRALIA
SMC Pneumatics (Australia) Pty. Ltd.

CHINA
SMC (China) Co., Ltd.
SMC Pneumatics (Guangzhou) Ltd.

HONG KONG
SMC Pneumatics (Hong kong) Ltd.

INDIA
SMC Pneumatics (India) Pvt. Ltd.

INDONESIA
PT. SMC Pneumatics Indonesia

JAPAN
SMC Corporation

MALAYSIA
SMC Pneumatics (S.E.A.) Sdn. Bhd.

NEW ZEALAND
SMC Pneumatics (N.Z.) Ltd.

PHILIPPINES
Shoketsu SMC Corporation

SINGAPORE
SMC Pneumatics (S.E.A.) Pte. Ltd.

SOUTH KOREA
SMC Pneumatics Korea Co., Ltd.

TAIWAN
SMC Pneumatics (Taiwan) Co., Ltd.

THAILAND
SMC (Thailand) Ltd.

UNITED ARAB EMIRATES
SMC Pneumatics Middle East FZE

VIETNAM
SMC Pneumatics (VN) Co., Ltd.

AFRICA

SOUTH AFRICA
SMC Pneumatics (South Africa) Pty Ltd

NORTH, CENTRAL & SOUTH AMERICA

ARGENTINA
SMC Argentina S.A.

BOLIVIA
SMC Pneumatics Bolivia S.R.L.

BRAZIL
SMC Pneumáticos do Brasil Ltda.

CANADA
SMC Pneumatics (Canada) Ltd.

CHILE
SMC Pneumatics (Chile) S.A.

COLOMBIA
SMC Colombia Sucursal de SMC Chile, S.A.

MEXICO
SMC Corporation (Mexico) S.A. de C.V.

PERU
SMC Corporation Peru S.A.C.

USA
SMC Corporation of America

VENEZUELA
SMC Neumatica Venezuela S.A.

U.S. & Canadian Sales Offices

WEST

Austin
Dallas
Los Angeles
Phoenix
Portland
San Jose

CENTRAL

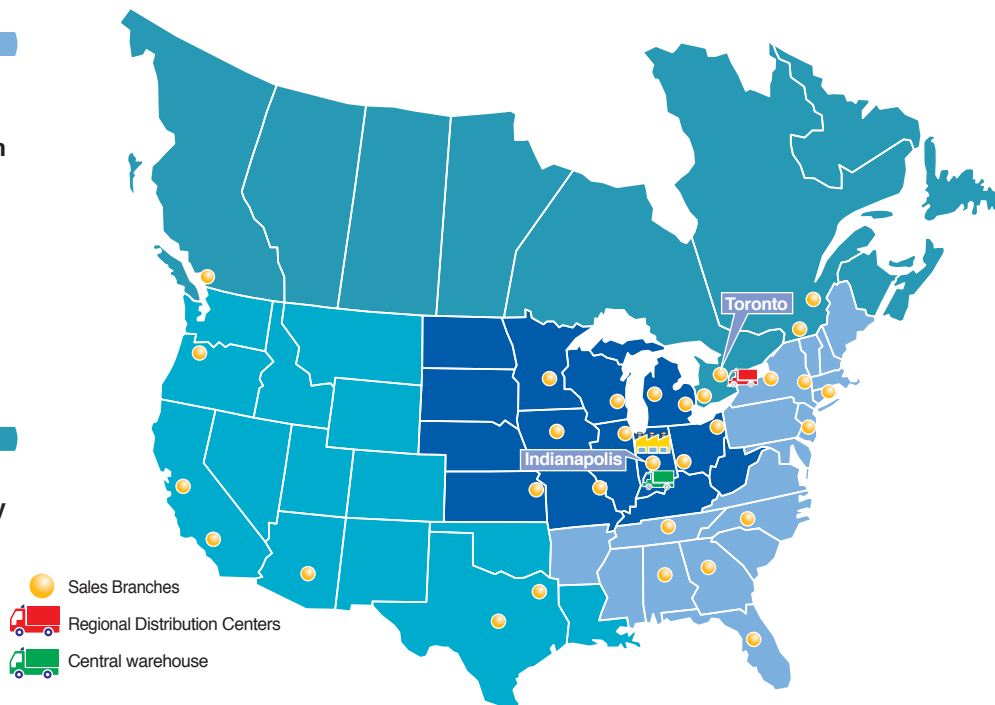
Chicago
Cincinnati
Cleveland
Detroit
Des Moines
Grand Rapids
Indianapolis
Kansas City
Milwaukee
Minneapolis
St. Louis

EAST

Albany
Atlanta
Birmingham
Boston
Charlotte
Knoxville
Nashville
New Jersey
Rochester
Tampa

CANADA

Montreal
Quebec City
Toronto
Vancouver
Windsor



SMC Corporation of America
10100 SMC Blvd., Noblesville, IN 46060
www.smccusa.com

SMC Automation Canada Ltd.
www.smcautomation.ca

(800) SMC.SMC1 (762-7621)
e-mail: sales@smccusa.com
International Inquiries: www.smccworld.com

