For valve specifications, refer to page 1-2-15.

How to Order SI Unit

EX500 – S001 [ ]

Applicable GW unit

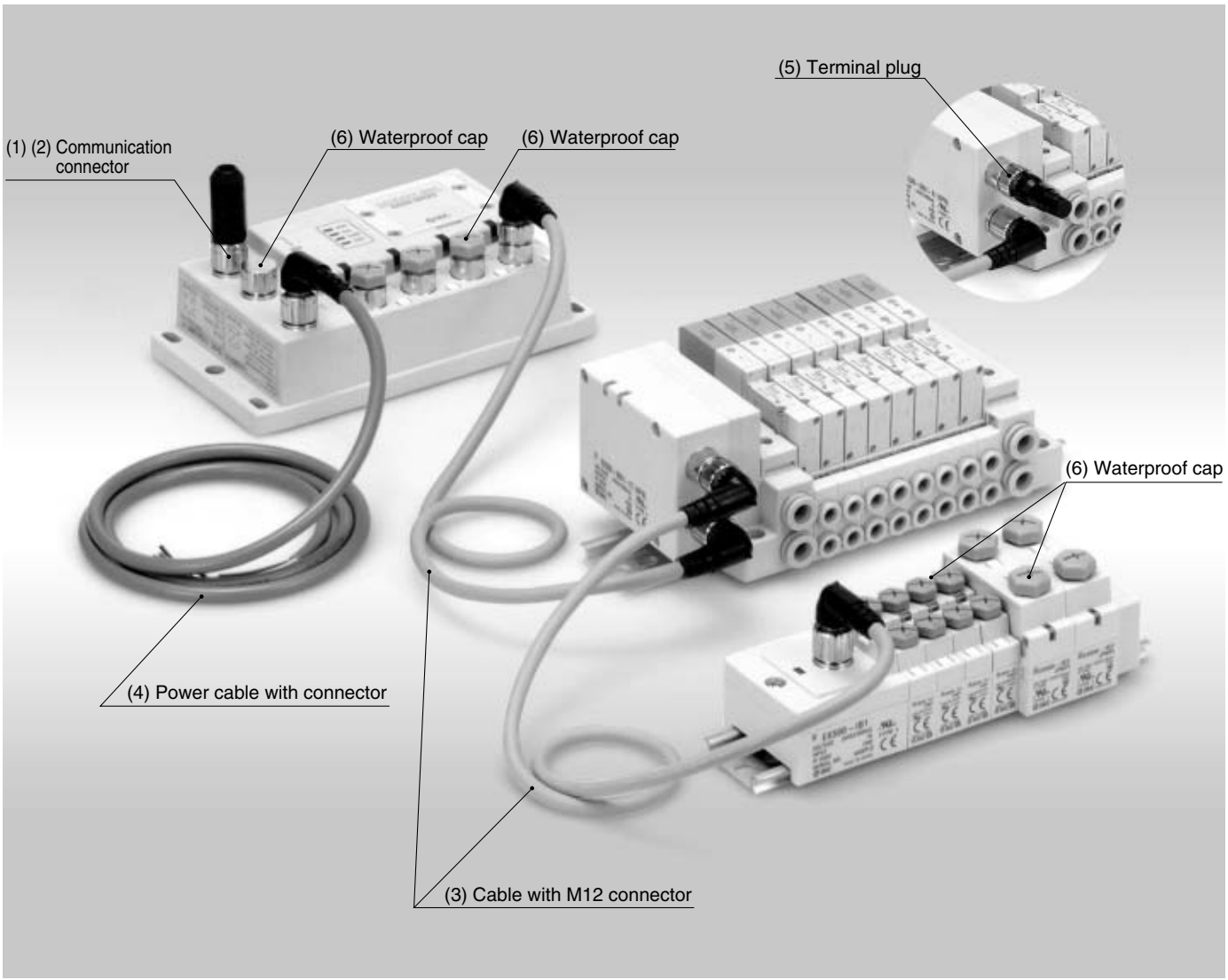
Nil	DeviceNet PROFIBUS-DP
-X1	Remote I/O (RIO)

Specifications

Connection block	Solenoid valve (Single, Double) Relay output module (1 output, 2 outputs)
Communication connector	M12 connector (8 pins, Plug, Socket)
Connection block stations	Double solenoid valve Relay output module (2 points): Maximum 8 stations Single solenoid valve Relay output module (1 point): Maximum 16 stations
Block supply voltage	24 VDC
Block supply current	0.65 A maximum
Current consumption	100 mA or less (at rated voltage)
Enclosure Note)	IP65
Weight (g)	115

Note) A single SI unit of Series EX500 has an enclosure compliant with IP65. The IP67 protection can be achieved when it is mounted on a manifold.

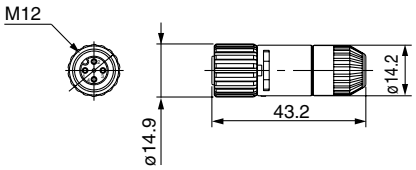
Option



Option

(1) **Communication connector (For RIO type GW unit)**

EX500 – AC000 – AB



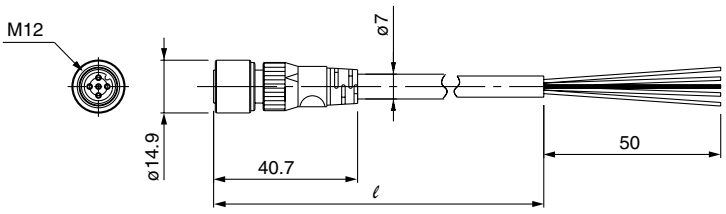
Applicable cable size
ø6 (ø5 to ø6)

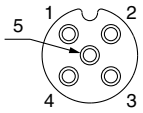
(2) **Communication connector cable (For DeviceNet type GW unit)**

EX500 – AC 050 – DN

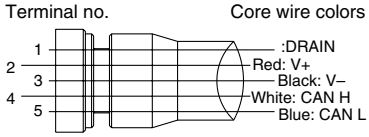
Cable length (ℓ)

010	1000 mm
050	5000 mm





Socket connector pin arrangement



Connections

(3) **Cable with M12 connector**

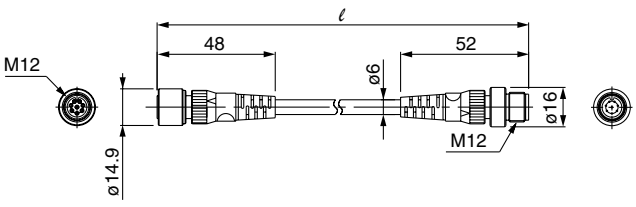
EX500 – AC 030 – SSPS

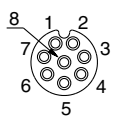
Cable length (ℓ)

003	300 mm
005	500 mm
010	1000 mm
030	3000 mm
050	5000 mm

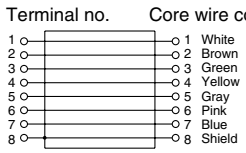
Connector specifications

SSPS	Socket side: Straight, Plug side: Straight
SAPA	Socket side: Angle, Plug side: Angle

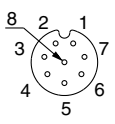




Socket connector pin arrangement

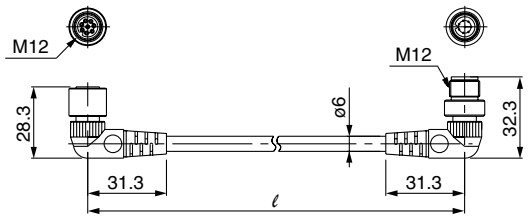


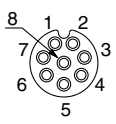
Connections



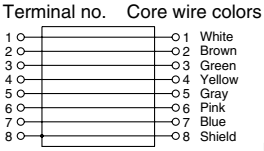
Plug connector pin arrangement

Straight connector type

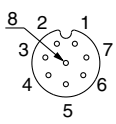




Socket connector pin arrangement



Connections



Plug connector pin arrangement

Angle connector type

Option

(4) Power cable with connector

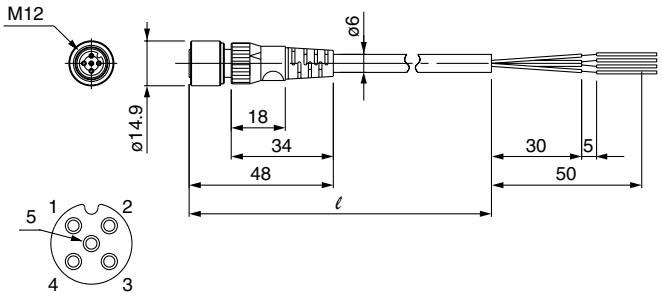
EX500 − AP 050 − S

Cable length (ℓ)

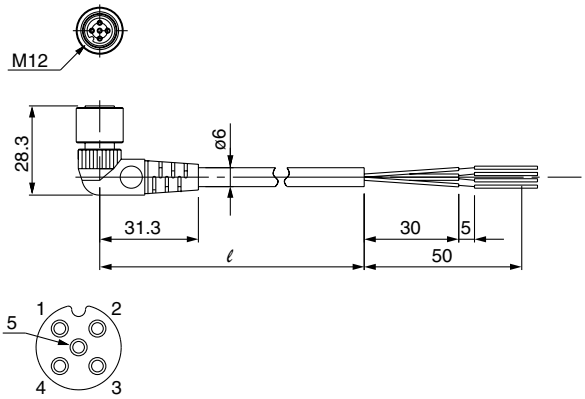
010	1000 mm
050	5000 mm

Connector specifications

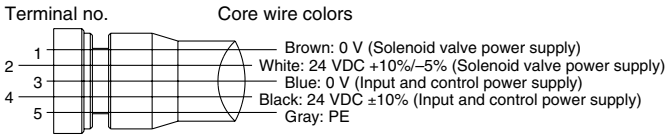
S	Straight
A	Angle



Socket connector pin arrangement

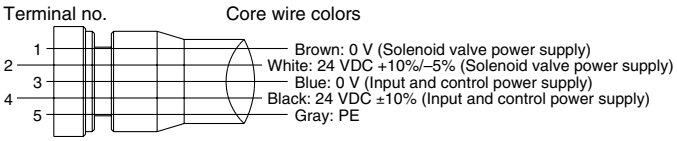


Socket connector pin arrangement



Connections

Straight connector type



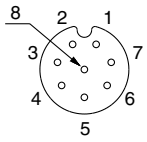
Connections

Angle connector type

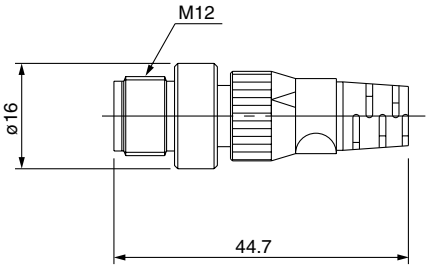
(5) Terminal plug

This is used where an input manifold (input unit/input block) is not being used.
(If a terminal plug is not used, the GW unit is COM LED will not light up.)

EX500 − AC000 − S



Plug connector pin arrangement



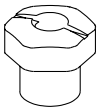
(6) Waterproof cap

Use this on ports that are not being used for a GW unit or input block.
Use of this waterproof cap maintains the integrity of the IP65 enclosure.
(Included with each input block.)
Note) Tighten the waterproof cap with the prescribed tightening torque. (For M8: 0.05 N·m, For M12: 0.1 N·m)

EX500 − AW

Connector type

ES	M8 connector (For socket)
TP	M12 connector (For plug)
TS	M12 connector (For socket)



Waterproof cap