Fieldbus System for Distributed I/O

- Dual Port EtherNet/IP™
- Gateway controls up to 8 Valve Manifolds and 8 Input blocks
- Controls up to 128 Inputs and 128 Outputs
- Supports QuickConnect™ and Device Level Ring (DLR) Protocol
- IP65 Protection Rating
- Web Diagnostics
- Simple installation setup
The new EX500 Gateway is a fieldbus solution for distributed I/O system capable of 128 outputs and 128 inputs that is connected to the gateway unit through 4 network branches. The gateway has two M12 Ethernet connections to support daisy chain and ring topology configurations. Fixed data mapping means simple installation and setup to get your machine up and running. I/O information and diagnostic data can be quickly accessed through embedded web interface.
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Power Supply Cable

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PCA-1415999</td>
<td>AUX 7/8” straight 2m cable</td>
</tr>
<tr>
<td>PCA-1415996</td>
<td>AUX 7/8” straight 6m cable</td>
</tr>
<tr>
<td>PCA-1416000</td>
<td>AUX 7/8” right angle 2m cable</td>
</tr>
<tr>
<td>PCA-1415997</td>
<td>AUX 7/8” right angle 6m cable</td>
</tr>
</tbody>
</table>

Branch Cable

<table>
<thead>
<tr>
<th>Cable</th>
<th>Length</th>
<th>Type of Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>003</td>
<td>0.3m</td>
<td>SSPS Straight</td>
</tr>
<tr>
<td>005</td>
<td>0.5m</td>
<td></td>
</tr>
<tr>
<td>010</td>
<td>1m</td>
<td></td>
</tr>
<tr>
<td>030</td>
<td>3m</td>
<td></td>
</tr>
<tr>
<td>050</td>
<td>5m</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>10m</td>
<td>SAPA Right Angle</td>
</tr>
</tbody>
</table>

EtherNet/IP™ Specifications

<table>
<thead>
<tr>
<th>Bus Connection</th>
<th>2 x M12 Socket, D-coded, 4 Pin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication Speed</td>
<td>10/100 Mbps</td>
</tr>
<tr>
<td>IP Adressing</td>
<td>DHCP/DIP Switch</td>
</tr>
<tr>
<td>Function</td>
<td>Ring Topology (DLR)</td>
</tr>
<tr>
<td></td>
<td>QuickConnectTM</td>
</tr>
<tr>
<td></td>
<td>Web Server</td>
</tr>
<tr>
<td>Power Connector</td>
<td>7/8” 4-Pin Plug</td>
</tr>
</tbody>
</table>
- Selectable 16 or 32 output by internal switch
- Plug and Play Connection with Gateway
- IP67 Protection Rating
- Max Solenoid Power: 1.0 A/unit
- Short Circuit Protection
- Compatible with SMC valve series SY, VQC, SV, and S0700

EX500-S103

Accessories

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>EX500-ACY01-S</td>
<td>Y-Connector for separate power of valve</td>
</tr>
<tr>
<td>EX500-ZMA1</td>
<td>DIN Rail mounting hardware for valve interface</td>
</tr>
</tbody>
</table>
How to Order for Valve Manifold

**SY Series**  
*Side/Bottom Ported*

SS5Y 3 - 10 S A3N - 05 U - C6

1 2 3 4 5 6 7 8

**Top Ported**

SS5Y 3 - 12S A3N - 05 U -

1 2 3 4 5 6 7

A3N: Valve Interface EX500-S103

**VQC Series**  
*(Please refer to Best Pneumatics 1-1 Page 1174 (VQC1/2000) & 1220 (VQC4000) for full how to order)*

VV5QC 21 - 08 C8 SDA3N -

1 2 2 3

SDA3N: Valve Interface EX500-S103

**SV Series**  
*(Please refer to Best Pneumatics 1-1 Page 536 for full how to order)*

SS5V 3 - W10S1 A3 N D - 05 3 -

1 2 3 4 5 6 7 8

A3N: Valve Interface EX500-S103

**S0700 Series**  
*(Please refer to Best Pneumatics 1-1 Page 920 for full how to order)*

SS0750 - 08 C4 C8 C8 SDA3 N - B

1 2 1 2 2 5

SDA3N: Valve Interface EX500-S103
- 16 PNP Input through connector
- Max Sensor Supply Current: 1.3 A/unit
- IP67 Protection Rating
- LED Diagnostics
- Short Circuit Protection
- Plug & Play Connection
Valve Interfaces and Input Blocks can be connected in any order, giving maximum flexibility in machine design.
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