## 5 Port Solenoid Valve

Series SZ3000
Serial Transmission Type

## How to Order



Ordering example (OMRON Corporation compatible serial unit)



Stations are counted from D side as the 1st one. Indicate the valves to be attached below the manifold part number, in order starting from station 1 as shown in the drawing.
When entry of part numbers becomes complicated, indicate on the manifold specification sheet.

How to Order Solenoid Valves


## Series SZ3000

## Specifications

## Specifications

| External power supply | $24 \mathrm{VDC}+10 \% /-5 \%$ |  |
| :--- | :---: | :---: |
| Current consumption <br> (Inside unit) | 0.1 A | F, H, J1, J2, <br> Q, R1, R2, V |

## SI Unit Part No.

| Symbol | Specifications | Part no. |
| :---: | :--- | :---: |
| $\mathbf{Q}$ | DeviceNet, CompoBus/D (OMRON Corp.) | EX140-SDN1 |
| $\mathbf{R 1}$ | OMRON Corp.: CompoBus/S System (16 output points) | EX140-SCS1 |
| $\mathbf{R 2}$ | OMRON Corp.: CompoBus/S System (8 output points) | EX140-SCS2 |
| $\mathbf{V}$ | Mitsubishi Electric Corp.: CC-LINK System | EX140-SMJ1 |


|  | Type SQ DeviceNet | Type SR1/SR2 OMRON Corporation CompoBus/S System | Type SV Mitsubishi Electric Corporation CC-LINK System |
| :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { 号 } \\ & \text { 合 } \\ & \frac{0}{0} \end{aligned}$ |  |  |  |
|  |  |  |  |
| $\stackrel{\cong}{\square}$ | - DeviceNet <br> - OMRON Corporation CompoBus/D System Master unit: C200HW-DRM21 <br> - No. of output points, 16 points | - CompoBus/S System <br> Master unit: C200HW-SRM21 <br> Master unit: CQM1-SRM21 <br> - No. of output points, 16 points (Type SR1) No. of output points, 8 points (Type SR2) | - CC-LINK System <br> Master unit: AJ61BT11 <br> Master unit: A1SJ61BT11 <br> Master unit: AJ61QBT11 <br> Master unit: A1SJ61QBT11 <br> - No. of output points, 16 points |
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## SI Unit Part No.

| Symbol | Specifications | Part no. |
| :---: | :--- | :---: |
| $\mathbf{F}$ | NKE Corp.: Uni-wire System | EX140-SUW1 |
| $\mathbf{H}$ | NKE Corp.: Uni-wire H System | EX140-SUH1 |
| $\mathbf{J 1}$ | SUNX Corp.: S-LINK System (16 output points) | EX140-SSL1 |
| $\mathbf{J 2}$ | SUNX Corp.: S-LINK System (8 output points) | EX140-SSL2 |



## Series SZ3000

Dimensions: SZ3000 Serial Transmission Type
SS5Z3-60S
D-Stations U
[With external pilot]


Internal Pilot Manifold L Dimension

| $\mathbf{L} \mathbf{n}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ | $\mathbf{9}$ | $\mathbf{1 0}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{L} 1$ | 135.5 | 148 | 160.5 | 173 | 185.5 | 185.5 | 198 | 210.5 | 223 |
| $\mathbf{L} 2$ | 125 | 137.5 | 150 | 162.5 | 175 | 175 | 187.5 | 200 | 212.5 |
| $\mathbf{L} 3$ | 108 | 118.5 | 129 | 139.5 | 150 | 160.5 | 171 | 181.5 | 192 |
| $\mathbf{L 4}$ | 14 | 15 | 16 | 17 | 18 | 12.5 | 13.5 | 14.5 | 15.5 |

External Pilot Manifold L Dimension n : Stations ( $\mathrm{n} 1+\mathrm{n} 2$ )

| $\mathbf{L}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ | $\mathbf{9}$ | $\mathbf{1 0}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{L} \mathbf{1}$ | 148 | 160.5 | 173 | 185.5 | 185.5 | 198 | 210.5 | 223 | 235.5 |
| $\mathbf{L} 2$ | 137.5 | 150 | 162.5 | 175 | 175 | 187.5 | 200 | 212.5 | 225 |
| L3 | 118.5 | 129 | 139.5 | 150 | 160.5 | 171 | 181.5 | 192 | 202.5 |
| $\mathbf{L 4}$ | 15 | 16 | 17 | 18 | 12.5 | 13.5 | 14.5 | 15.5 | 16.5 |

## Dimensions: SZ3000 Serial Transmission Type

## SS5Z3-60S $\square$ D-Stations B



Internal Pilot Manifold L Dimension n: Stations (n1 + n2)

| L ${ }^{\text {n }}$ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| L1 | 148 | 160.5 | 173 | 185.5 | 198 | 210.5 | 210.5 | 223 |
| L2 | 137.5 | 150 | 162.5 | 175 | 187.5 | 200 | 200 | 212.5 |
| L3 | 124 | 134.5 | 145 | 155.5 | 166 | 176.5 | 187 | 197.5 |
| L4 | 12 | 13 | 14 | 15 | 16 | 17 | 12 | 13 |
| L ${ }^{\text {n }}$ | 10 | 11 | 12 | 13 | 14 | 15 | 16 |  |
| L1 | 235.5 | 248 | 260.5 | 273 | 285.5 | 285.5 | 298 |  |
| L2 | 225 | 237.5 | 250 | 262.5 | 275 | 275 | 287.5 |  |
| L3 | 208 | 218.5 | 229 | 239.5 | 250 | 260.5 | 271 |  |
| L4 | 14 | 15 | 16 | 17 | 18 | 12.5 | 13.5 |  |


| $L^{\text {n }}$ | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| L1 | 160.5 | 173 | 185.5 | 198 | 210.5 | 210.5 | 223 | 235.5 |
| L2 | 150 | 162.5 | 175 | 187.5 | 200 | 200 | 212.5 | 225 |
| L3 | 134.5 | 145 | 155.5 | 166 | 176.5 | 187 | 197.5 | 208 |
| L4 | 13 | 14 | 15 | 16 | 17 | 12 | 13 | 14 |
| $L^{\text {n }}$ | 10 | 11 | 12 | 13 | 14 | 15 | 16 |  |
| L1 | 248 | 260.5 | 273 | 285.5 | 285.5 | 298 | 310.5 |  |
| L2 | 237.5 | 250 | 262.5 | 275 | 275 | 287.5 | 300 |  |
| L3 | 218.5 | 229 | 239.5 | 250 | 260.5 | 271 | 281.5 |  |
| L4 | 15 | 16 | 17 | 18 | 12.5 | 13.5 | 14.5 |  |

Please contact SMC for detailed specifications, delivery and pricing.

## Symbol <br> 1 Main Valve Fluoro Rubber Specifications -X90

Fluoro rubber is used for rubber parts of the main valve to allow use in applications such as the following.

1. When using a lubricant other than the recommended turbine oil, and thereis a possibility of malfunction due to swelling of the spool valve seals.
2. When ozone enters or is generated in the air supply.

## Model no.

SZ3


Note) Because in series -X90 fluoro rubber is used for only main valve, the rubber parts of the application/usage in conditions requiring heat resistance should be avoided

## 2 Plug-in Manifold Connector and

 Serial Unit Mounted on Side UProducts are also available with the plug-in manifold connector mounting position and the serial unit mounting position on the reverse side (U side). For details about part numbers and wiring specifications, etc., please contact SMC.


