

| Maximum Number of Solenoid Outputs |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| AK „F" | AK „T" | AK „J" | AK „M" | AK „P" | AK „R" | AK „S" |
| 14 | 14 | 14 | 14 | 8 | 14 | 14 |


2.a How to Order - Series 2005 Valve


Ribbon cable option must be used for manifold assemblies that exceed 16 solenoids (7th and 8th digit of valve order code).
Symbols

## ATEX

G3 Electronics

## 3. How to Order - G3 Electronics




## Example Order for a Valve Island with G3 Electronics \& Discrete Inputs

For valve series 2005


Shaded components are described by the assembly kit (AK) model number (see page 41). The communication module and number of Input modules are described by the Electronic Interface (G3) model number designation (see page 43).
Each valve station is listed in sequential order from left to right when facing the port side of the manifold as shown.
Each discrete Input module (see page 32 for order codes) is listed in sequential order from right to lft starting from the communication module as shown.
NOTE:

- The number of coils under voltage at the same time depends on the number of input modules associated with the pneumatic distribution.

|  | 501 | 2005 |
| :---: | :---: | :---: |
| input modules | max. coils | max. coils |
| O- | $1 \overline{1}^{-}$ | $10^{-}$ |
| 1 | 16 | 9 |
| 2 | 14 | 8 |
| 3 | 12 | 7 |
| 4 | 10 | 6 |
| 580 | 18 | - |
| 25/37 Pin Sub-D 1-32 Terminal Strip 19 Pin Round Connector | 24 | 14 |

Example Order -
Assembly Kit

|  | AK3EP00003GA36 |
| :--- | :--- |
| Station 1 | 051BB4Z2MG71W61 |
| Station 2 | 051BB4Z2MG71W61 |
| Station 3 | 051BB4Z2MG71W61 |
| Station 4 | 051BB4Z2MG71W61 |
| Station 5 | 051BB4Z2MG71W61 |
| Station 6 | 051BB4Z2MG71W61 |
| Station 7 | 051BB4Z2MG71W61 |
| $\cdot$ | $\cdot$ |
| $\cdot$ | . |
| Station 9 | 051BB4Z2MG71W61 |
| Electronics | G3DN104R071W |
| Station 1 | 240-345 |

Note:

- For a $2 \times 3 / 2$ valve ( 2 pneumatic functions for each valve), the 2 coils of the valve can be supplied simultaneously, each $3 / 2$ having an independent distribution function.
- For the $5 / 3,5 / 2$ monostable or bistable valves ( 1 pneumatic function for each valve), only one of the 2 coils may be supplied during valve commutation. (Never supply the 2 coils simultaneously).
Configuration example: Fielbus island 2005 with 1 input module
$15 / 2$ bistable valve = 1 pneumatic function $\ln$ Max. number of coils that may be supplied simultaneously equals 1.
$25 / 3$ valves = 2 pneumatic functions Max. number of coils that may be supplied simultaneously equals 2.
$32 \times 3 / 2$ valves $=6$ pneumatic functions Max. number of coils that may be supplied simultaneously equals 6.
Total number of coils that may be supplied simultaneously $=9$ correct configuration


## Ordering G3 Electronics Assemblies with Inputs Only



1. Refer to the selection table on page 43 to specify the control electronics and Input configuration.
2. Each discrete Input module is listed in sequential order from
right to left as shown.
3. A maximum of 4 Input modules are supported by a single communication node. Analog Input \& digital Input (NPN \& PNP).

Example Order - Input assembly with Backplane extension in and backplane extension out modules

Electronics G3DS304D071W
Station 1 240-345
Station 2 240-345

Station 4 240-345

