

numatics..

ATEX
2005 Series





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ATEX **G3 Electronics**

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3. How to Order - G3 Electronics



- Left Mounting w/ Backplane extension Out
- D = R = w/ Terminating Resistor



ATEX 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
0	18	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

Note:

- For a 2x3/2 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
- 1 5/2 bistable valve = 1 pneumatic function Max. number of coils that may be supplied simultaneously equals 1.
- 2 5/3 valves = 2 pneumatic functions \Rightarrow Max. number of coils that may be supplied simultaneously equals **2**. 3 2x3/2 valves = 6 pneumatic functions \Rightarrow 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

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
Station 9	051BB4Z2MG71W61
Electronics	G3DN104R071W
Station 1	240-345



