

## SERIES 16V - FIELDBUS ELECTROPNEUMATIC VALVES



### Main Features

- Integrated electrical connection system
- IP67 protection rating
- Single size 16 mm thick
- Electro-pilots on one side only
- Identical dimensions for monostable and bistable solenoid valves
- Connections with female threading machined into the base
- Quick and easy assembly with few components in the solenoid valve group



### Reference standard

1907/2006  
REACH ✓

2011/65/CE  
RoHS ✓

PED  
2014/68/UE



### Component Parts and Materials

- Body: anodised aluminium
- Spool in aluminum
- Piston & Spool Seals in Elastomer
- Springs: Stainless steel AISI 302



### Fluids

- Air



16 MM  
↔

FLOW RATE:  
553→706 NI/min

## FIELDBUS SOLENOID VALVES

MONOSTABLE WITH PNEUMATIC RETURN			BISTABLE			MONOSTABLE MECHANICAL RETURN			DOUBLE 3/2 MONOSTABLE MECHANICAL RETURN		
Code	Function	Vis	Code	Function	Vis	Code	Function	Vis	Code	Function	Vis
16V S4 5 00 00	-	5/2	16V S1 5 00 00	-	5/2	16V S0 7 CC 00	CC	5/3	16V S0 8 NC 00	NC	5/4
-	-	-	-	-	-	16V S0 7 OC 00	OC	5/3	16V S0 8 NO 00	NO	5/4
-	-	-	-	-	-	16V S0 7 PC 00	PC	5/3	16V S0 8 NN 00	NC-NO	5/4

PLUG FOR UNUSED POSITIONS	INTERMEDIATE SUPPLY BLOCK
Code	Code
16V 36 0 00 00	16V 37 0 00 00

## PNEUMATIC BASE WITH INTEGRATED PILOTING SYSTEM

BI-STABLE BASE WITH INTEGRATED PILOTING		MULTIPLE BASE WITH INTEGRATED PILOTING		SEPARATE PILOTING PLUG	SEPARATING PLUG
Code	N° Positions	Code	N° Positions	Code	Code
16VB0 04 00 0	4	16V B0 24 00 1	BIS.8 POS.+ MONO.16 POS	16V S0 7 CC 00	16V S0 8 NC 00
16VB0 06 00 0	6	-	-	-	-
16VB0 08 00 0	8	-	-	-	-
16VB0 10 00 0	10	-	-	-	-
16VB0 12 00 0	12	-	-	-	-
16VB0 14 00 0	14	-	-	-	-
16VB0 16 00 0	16	-	-	-	-

## POWER SUPPLY UNIT

D-SUB 25 PINS	D-SUB 37 PINS	ETHERNET/IP	PROFINET
Code	Code	Code	Code
16V 17 00 00 1	16V 16 00 00 1	16V U1 00 00 0	16V U2 00 00 0

EtherCAT	POWERLINK	IO-LINK
Code	Code	Code
16V U3 00 00 0	16V U4 00 00 0	16V W3 00 00 2

STRAIGHT MALE ADAPTOR (PARALLEL) WITH HEXAGON EMBEDDED		STRAIGHT MALE ADAPTOR (PARALLEL) WITH HEXAGON EMBEDDED		POLYAMIDE PLUG		ORIENTING ELBOW	
Code	Tube	Code	Tube	Code	Ø	Code	Tube
50010 00 N09	4 - M7x1	50015 00 N03	6 - 1/8	50610 00 31 X1 RO	4	55140 00 002	4 - 6
-	-	50015 00 N04	8 - 1/8	50610 00 31 X4 RO	6	55140 00 005	6 - 6
-	-	50015 00 N12	10 - 1/4	50610 00 31 X7 RO	8	55140 00 007	8 - 8
-	-	-	-	50610 00 31 X9 RO	10	55140 00 008	8 - 10
-	-	-	-	-	-	55140 00 009	10 - 10

ORIENTING ELBOW		D-SUB 25 POLES CABLE WITH INLINE CONNECTOR		D-SUB 37 POLES CABLE WITH INLINE CONNECTOR		ETHERNET/IP, PROFINET, ETHERCAT AND POWERLINK CABLE WITH INLINE FEMALE CONNECTOR M8X1	
Code	Tube	Code	Lengh	Code	Lengh	Code	Lengh
55150 00 002	4 - 6	16V W1 05 00 0	5 mt	15V W1 05 00 0	5 mt	16V W2 05 00 0	5 mt
55150 00 005	6 - 6	16V W1 10 00 0	10 mt	15V W1 10 00 0	10 mt	16V W2 10 00 0	10 mt
55150 00 007	8 - 8	-	-	-	-	-	-
55150 00 008	8 - 10	-	-	-	-	-	-
55150 00 009	10 - 10	-	-	-	-	-	-

ETHERNET/IP, PROFINET, ETHERCAT AND POWERLINK CABLE WITH "L" FEMALE CONNECTOR M8X1		ETHERNET/IP, PROFINET, ETHERCAT AND POWERLINK CABLE WITH INLINE MALE CONNECTOR M12X1		ETHERNET/IP, PROFINET, ETHERCAT AND POWERLINK CABLE WITH 90° ANGLE MALE CONNECTOR M12X1		ETHERNET/IP, PROFINET, ETHERCAT AND POWERLINK CABLE WITH INLINE MALE - MALE CONNECTORS M12X1	
Code	Lengh	Code	Lengh	Code	Lengh	Code	Lengh
16V W2 05 00 1	5 mt	15V W5 05 00 0	5 mt	15V W5 05 00 1	5 mt	15V W6 05 00 0	5 mt
16V W2 10 00 1	10 mt	15V W5 10 00 0	10 mt	15V W5 10 00 1	10 mt	-	-

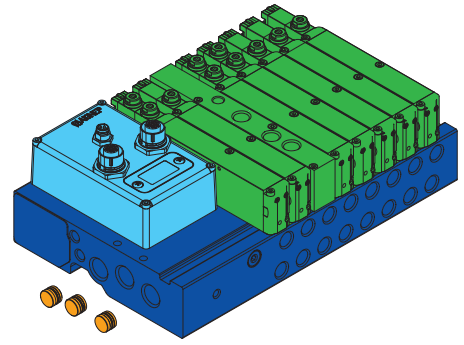
ETHERNET/IP, PROFINET, ETHERCAT AND POWERLINK CABLE WITH 90° ANGLE MALE-MALE CONNECTORS M12X1

Code	Lengh
15V W6 05 00 1	5 mt





Insert the values of the boxes in the table on page 155 in the following columns, to configure your 16V valve.



<b>1A</b>	16V 17 00 00 1 D - SUB 25 Pins
<b>1B</b>	16V 16 00 00 1 D - SUB 37 Pins
<b>1C</b>	16V U1 00 00 0 Ethernet/IP
<b>1D</b>	16V U2 00 00 0 Profinet
<b>1E</b>	16V U3 00 00 0 EtherCAT
<b>1F</b>	16V U4 00 00 0 PowerLink

<b>3A</b>	16V S0 5 00 00 5/2 solenoid valve monostable mechanical spring return
<b>3B</b>	16V S4 5 00 00 5/2 solenoid valve monostable pneumatic spring return
<b>3C</b>	16V S1 5 00 00 5/2 solenoid valve two stable positions
<b>3D</b>	16V S0 7 CC 00 5/3 solenoid valve monostable mechanical spring return
<b>3E</b>	16V S0 7 OC 00 5/3 solenoid valve monostable mechanical spring return
<b>3F</b>	16V S0 7 PC 00 5/3 solenoid valve monostable mechanical spring return
<b>4A</b>	16V 39 0 00 00 Separation cap for supply and exhaust ducts

Bi-stable base	Bi-stable base with separate piloting
<b>2K</b> 16V B0 04 000 N° 4 Positions	<b>2P</b> 16V B1 04 000 N° 4 Positions
<b>2L</b> 16V B0 06 000 N° 6 Positions	<b>2O</b> 16V B1 06 000 N° 6 Positions
<b>2A</b> 16V B0 08 000 N° 8 Positions	<b>2F</b> 16V B1 08 000 N° 8 Positions
<b>2B</b> 16V B0 10 000 N° 10 Positions	<b>2G</b> 16V B1 10 000 N° 10 Positions
<b>2C</b> 16V B0 12 000 N° 12 Positions	<b>2H</b> 16V B1 12 000 N° 12 Positions
<b>2M</b> 16V B0 14 000 N° 14 Positions	<b>2N</b> 16V B1 14 000 N° 14 Positions
<b>2D</b> 16V B0 16 000 N° 16 Positions	<b>2I</b> 16V B1 16 000 N° 16 Positions
Multiple base (bi + mono-stable)	Multiple base with separate piloting
<b>2E</b> 16V B0 24 001 BIS.8 POS + MONO. 16 POS.	<b>2J</b> 16V B1 24 001 BIS.8 POS + MONO. 16 POS.

<b>3G</b>	16V S0 8 NC 00 5/4 solenoid valve monostable mechanical spring return - NC
<b>3H</b>	16V S0 8 NO 00 5/4 solenoid valve monostable mechanical spring return - NO
<b>3I</b>	16V S0 8 NN 00 5/4 solenoid valve monostable mechanical spring return - NN
<b>3J</b>	16V 36 0 00 00 Closing Plate
<b>3K</b>	16V 37 0 00 00 Intermediate air supply
<b>4B</b>	17V 18 0 00 00 Separation cap for pilot ducts

# SET YOUR VALVE 16V

Power supply unit	
	<input type="checkbox"/>

Base	
	<input type="checkbox"/>

Valve, Closing plug, Intermediate air supply	
1° POS	<input type="checkbox"/>
2° POS	<input type="checkbox"/>
3° POS	<input type="checkbox"/>
4° POS	<input type="checkbox"/>
5° POS	<input type="checkbox"/>
6° POS	<input type="checkbox"/>
7° POS	<input type="checkbox"/>
8° POS	<input type="checkbox"/>
9° POS	<input type="checkbox"/>
10° POS	<input type="checkbox"/>
11° POS	<input type="checkbox"/>
12° POS	<input type="checkbox"/>
13° POS	<input type="checkbox"/>
14° POS	<input type="checkbox"/>
15° POS	<input type="checkbox"/>
16° POS	<input type="checkbox"/>

Valve, Closing plug, Intermediate air supply	
17° POS	<input type="checkbox"/>
18° POS	<input type="checkbox"/>
19° POS	<input type="checkbox"/>
20° POS	<input type="checkbox"/>
21° POS	<input type="checkbox"/>
22° POS	<input type="checkbox"/>
23° POS	<input type="checkbox"/>
24° POS	<input type="checkbox"/>

Separating plug	
	<input type="checkbox"/>
	<input type="checkbox"/>
	<input type="checkbox"/>

Insert in positions no. N°	Air power	Exhaust	Pilot power supply
<input type="checkbox"/>			
<input type="checkbox"/>			
<input type="checkbox"/>			

The use of intermediate pneumatic supply is recommended every 5 solenoid valves in case of simultaneous actuate output, to perform better.