

### How to Order

#### Valves

**031 SA 4 15 4 0 000 61**

#### Valve Series & Port Size

030 = 10-32

031\* = 1/8

\*Valve Unit Only (Mounting = 00)

#### Valve Type

BA = Single Solenoid Pilot, Spring Return w/Flush Non-Locking Override

BB = Double Solenoid Pilot w/Flush Non-Locking Override

PA = Single Air Pilot, Spring Return

PP = Double Air Pilot

SA = Single Solenoid, Spring Return w/Flush Non-locking Override

SS = Double Solenoid w/Flush Non-locking Override

#### Function

4 = 2 Position, 4-Way

5 = 3 Position, 4-Way Open Center

6 = 3 Position, 4-Way Closed Center

7\* = 3 Position 4-Way (5/3), Open to 4 (A) and 2 (B) in Center

\*available with SS only

#### Mounting

00 = Valve Unit Only

01 = Valve Unit Only w/Speed Control

15 = Manifold Block w/Side and Bottom Ports

25 = 15 w/Speed Control

41 = Standard Base, Side Ports, Individual Exhaust

46 = 41 w/Speed Control

56\*\* = Standard Base, Bottom Ports, Individual Exhaust

58\*\* = 56 w/Speed Control

\*\*10-32 Ports Only

#### Voltage

20 = 24/50-60 VAC

30 = 110-120/50-60 VAC

40 = 220-240/50-60 VAC

60 = 12 VDC

61 = 24 VDC

00 = No Voltage (PA/PP only)

#### Special Options

11B = Flush Locking Override

11Z = Extended Locking Override

13A = 48" Leads

17N = DC Solenoid w/Surge Suppression Diode

#### Port Type

0 = NPTF

G = G Tap

P = NPTF (Solenoid Pilot Valves)

Q = G-Tap (Solenoid Pilot Valves)

#### Wiring Option

B = DC Hardwired w/15" Leads

C = Proprietary AC Plug-In

E = Proprietary DC Plug-In

M = DC Straight 2-Pin Plug-in w/Light (BA or BB only)

O = AC Hardwired w/15" Leads (SA, SS or Air Pilot)

2 = DIN Plug-in AC Solenoid (SA or SS only)

4 = DIN Plug-in DC Solenoid (SA or SS only)

### Plug Connector

M Wiring Option (SPA only)



LEAD LENGTH	PART NO.
12" Lead	230-443
48" Lead	230-476
120" Lead	230-486

PART NAME	PART NO.
Housing	140-384
Terminal	140-385

Plug connector is not included with solenoid assemblies or valve models. Must order separately.

Note: Wire Gage = 22 AWG

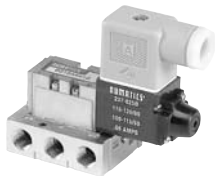
### Cable Assemblies

C and E Wiring Option



CORD LENGTH	PART NO.
4' Cord	230-214
6' Cord	230-260
10' Cord	230-348
16' Cord	230-432
20' Cord	230-434
40' Cord	230-843

NOTE: Plug connector is NOT included with solenoid. Order connector assembly separately (see ordering information below).



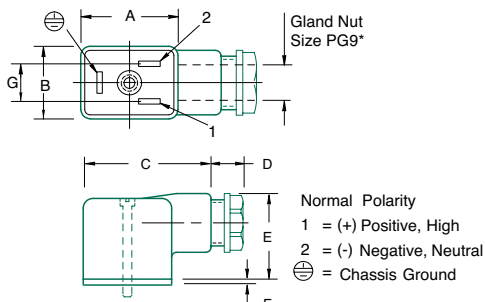
## Mark 3, SPA 3 & PA 3 Series

### Plug-in Connector Assemblies for DIN Plug-In Valves

2 and 4 Wiring Option

Per DIN Spec. NO 43650. \*Accepts cable diameter 0.240 to 0.310.

11mm Industry Standard DIN Form B



CONNECTOR ASSEMBLY	PART NO.
Grey (A end solenoid) Plug Assembly	230-363
Black (B end solenoid) Plug Assembly	230-364
Plug Assembly with 24 V Light	230-365
Plug Assembly with 110 V Light	230-366
Plug Assembly with 220 V Light	230-367

### Dimensions

top dimensions = inches and bottom dimensions (in parenthesis) = millimeters

A	B	C	D	E	F	G
1.12 (28.4)	0.83 (21.1)	1.57 (39.9)	0.40 (10.2)	1.10 (27.9)	0.06 (1.5)	0.43 (11.0)

### How to Order continued

#### Regulators

**031 RS 7 00 O 0 000 00**

#### Valve Series & Port Size

031 = 1/8

#### Regulator Type

RS = Single Pressure to Port 1 (P)

RD = Dual Pressure to Ports 3 (EB) & 5 (EA)

#### Pressure Range

3 = 3-30 PSIG (0.2 - 2 Bar)

7 = 0-100 PSIG (0-6.9 Bar)

#### Mounting

00 = Regulator Unit Only

02\*\* = Regulator Unit for Use w/Speed Control

\*\*Speed control can only be used with type RS.

These model numbers include regulator with extra long screws #127-332. For complete information on ordering with speed control, see page 13.

#### Special Options

16N = Jumper on (A) 14 End

16P = Jumper on (B) 12 End

#### Port Type

0 = NPTF

#### Wiring Option

O = Non Plug-in

#### Assembly Kit

**AK 0 C E 0000 1 N STD**

#### Electrical/Electronics

#### Type & Location

0 = Standard

#### Valve Line

C = Mark 3 Series

#### Number of Valve Stations

A = 1 E = 5 I = 9 M = 13

B = 2 F = 6 J = 10 N = 14

C = 3 G = 7 K = 11 O = 15

D = 4 H = 8 L = 12 P = 16

#### Options

STD = Standard

#### Port Type

N = NPTF

G = G tap

#### End Plate Port Size

1 = 1/8

2 = 1/4

#### Example order

List in order, left to right, facing cylinder ports

Assembly Kit AK0CB00001NSTD  
 Station 1 030BB400BP00061  
 Station 2 030BA400BP00061  
 ASSEMBLED