

# Соленоиды серии 63

## Технические характеристики



Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06

Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Киргизия (996)312-96-26-47

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Казахстан (772)734-952-31

Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

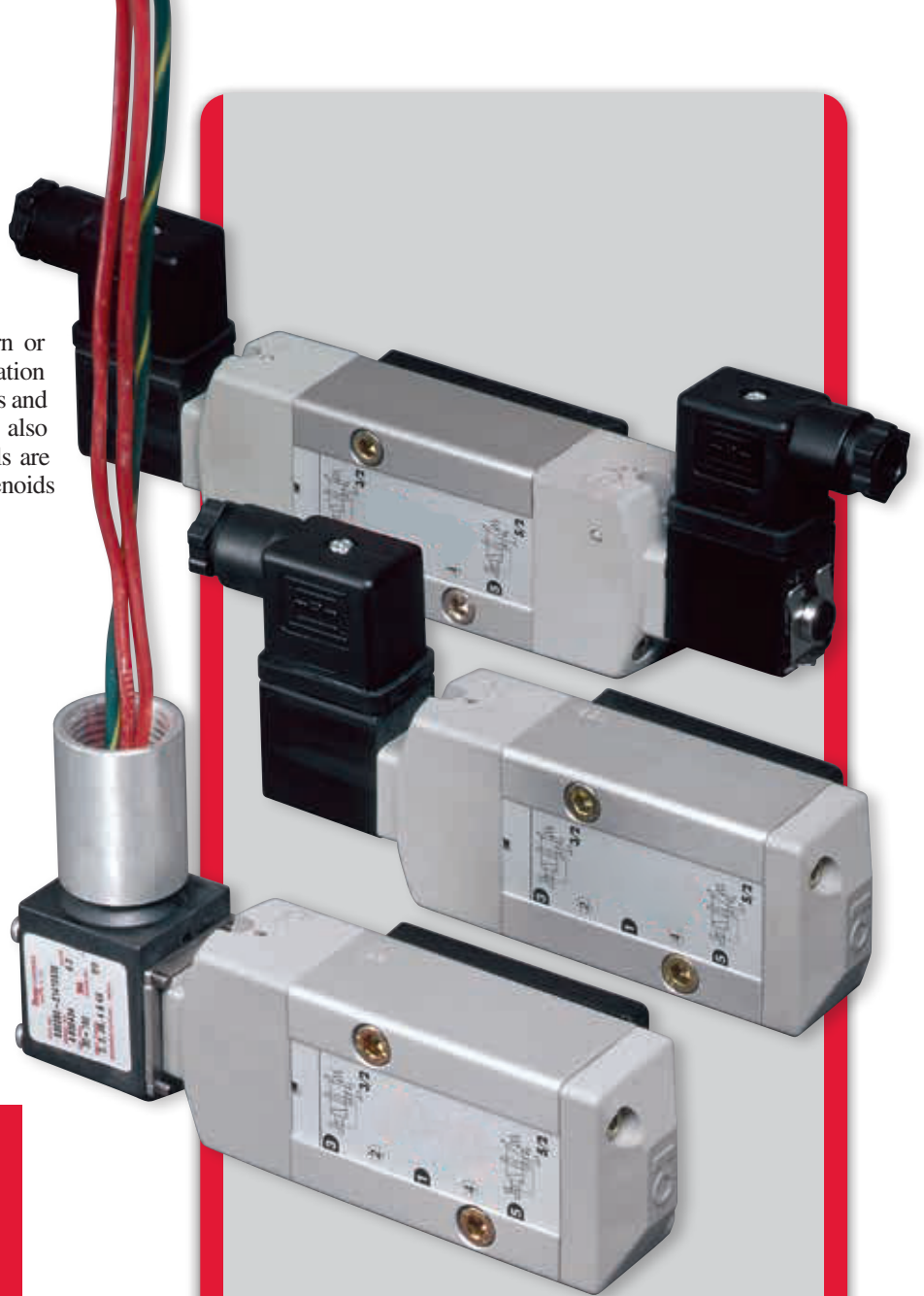
Единый адрес для всех регионов: [bya@nt-rt.ru](mailto:bya@nt-rt.ru) | [www.bray.nt-rt.ru](http://www.bray.nt-rt.ru)

## Соленоиды серии 63

These units can be used with either spring return or double acting actuators where on/off electrical operation is required. Units have 1/2" NPT conduit connections and IP65 DIN units have cable gland PG9 connectors, also available with 1/2" NPT conduit adapters. The coils are UL recognized and CSA certified. All Series 63 solenoids carry the CE mark.

### FEATURES:

- Compact
- Modular
- Pilot Operated
- Spool Control Valve
- Convertible From 3-Way (3/2) to 4-Way (5/2)
- Spring Return or Double Acting



### SOLENOID OPTIONS

- Stainless steel housings
- Low-powered units
- Intrinsically safe units
- BUS solenoids are available for DeviceNet and Profibus-PA protocols
- AS-I Interface solenoids with IP65 DIN/PG9 cable gland connectors are available
- All direct mount to Bray pneumatic actuators.
- Speed controls that allow independent control of speed in both directions

**MANUAL OVERRIDE:** Each unit contains as standard a mechanical manual override located on the solenoid valve block. In the event of electrical power failure, over-riding is accomplished by rotating the manual override screw which will divert the air from one chamber of the pneumatic actuator to the other.

**VALVE DESIGN:** Pilot Operated Spool

**MEDIA:** Dry or lubricated air or inert gases

**COIL HOUSINGS:** Three standard coil housings are offered.

1. **Watertight** (NEMA 4, 4x) housing offers a molded and potted coil with UL recognized components and CSA certification.

2. **Watertight & Explosion Proof** (NEMA 4, 4x, 7, 9) housing is UL listed and C.S.A. certified for hazardous locations Class I, Div.1 (Groups A-D) and Class II, Div.1 (Groups E-G).

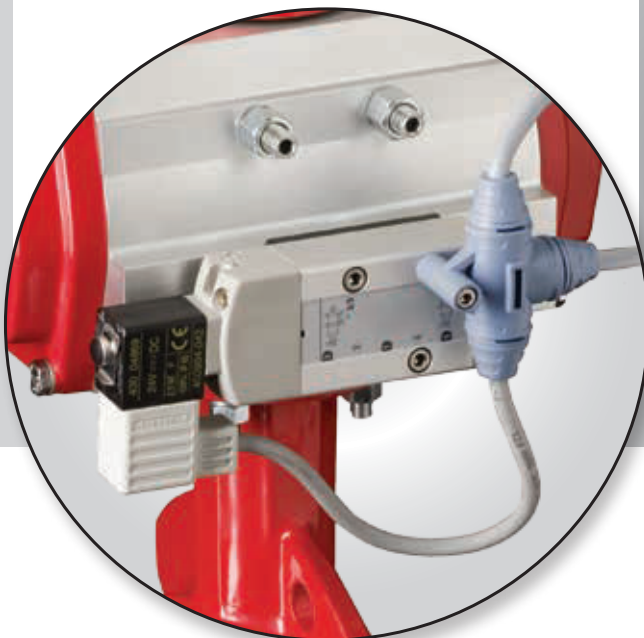
**3. IP65 DIN**

Standard solenoid valves are supplied as single coil units. Dual coil units are also available for customers who require actuators to remain in last position during electrical power failure.

**SPRING RETURN ACTUATORS:** The Series 63 Solenoid Valve fills the spring chamber with supply air rather than drawing air from the surrounding atmosphere. This keeps the spring chamber clean and dry, and improves the performance and service life of the actuator.

**DIRECT MOUNTING**

**DIRECT MOUNTING:** Meeting NAMUR (VDI/VDE 3845) standards, all Bray Series 63 solenoid valves direct mount to the integral porting system of Bray Series 92/93 pneumatic actuators. No external piping is required. Bray's direct mounting permits quick and simple field installation.



**SERIES 63 - MECHANICAL CHARACTERISTICS**

**MOUNTING** NAMUR (VDI/VDE 3845), mountable in any position, hardware included.

**MATERIALS**

Body: Anodized Aluminum  
 Spring: Phosphate treated black steel  
 Shading Coil: Copper  
 Seals: NBR + PUR  
 Core / Tube: Stainless / Brass  
 End Covers & Plate: 6/6 glass filled polyamide (PA/FV)  
 Spool: Aluminum  
 Internal Parts: Zamak, Steel, Acetal

**PNEUMATIC PORTS** 1/4" NPT

**ELECTRICAL CONNECTIONS** NEMA Housings: 1/2" NPT  
 DIN Housing: Cable Gland PG9

**CONSTRUCTION**

Standard construction is molded and potted coil with 18" leads, Class F insulation. Other insulation classes available. The IP65 DIN coil and magnet structure are epoxy encased. Molded cordsets and connectors are available for IP65 DIN coil housings, please consult Bray representative or factory for further information.

**NORMAL AMBIENT TEMPERATURE RANGE**

NEMA Housings: AC: -13°F (-25°C) to +140°F (+60°C)  
 DC: -13°F (-25°C) to +77°F (+25°C)

**ELECTRICAL COIL**

NEMA Housings with flying leads: 12, 24, 120, 220 VAC, 50-60 HZ  
 12, 24, 120 VDC  
 IP65 DIN Housings Type "I" Connection: 24, 120, 240 VAC, 50-60 HZ  
 24 VDC

NEMA & IP65 DIN Coil Insulation-Class F  
 Max Temperature Rating: 311°F (155°C)

Max Ambient Temperature Rating: 158°F (70°C)

**FLOW**

1/4" (6.35 mm) PIPE C<sub>v</sub> = .7 Flow = 30 scfm, 150 psi (10.4 bar) max.

Bray S92/93 actuation times are very dependent on the flow capacity of their air supply. It is strongly recommended that only the Bray S63 high flow solenoid be used with the Bray S92/93 actuators. The use of smaller port solenoids, solenoid manifolds, small I.D. air supply tubing and/or extended lengths of tubing can significantly reduce the actuation time and/or the initial response to the command signal. Please see TB-1140 for pneumatic FLOW TESTING RECOMMENDATIONS.

**NOMINAL POWER (WATTS)**

NEMA Housing AC - 6.3, DC - 6.9  
 DIN Housing AC - 2.5, DC - 3.0

**OPERATING SPEED** 10 cycles per minute - with more if needed

**DUTY CYCLE** Continuous

Архангельск (8182)63-90-72  
Астана (7172)727-132  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89  
Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Липецк (4742)52-20-81  
Киргизия (996)312-96-26-47  
Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Казахстан (772)734-952-31  
Пермь (342)205-81-47  
Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Таджикистан (992)427-82-92-69  
Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
Томск (3822)98-41-53  
Тула (4872)74-02-29  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

Единый адрес для всех регионов: [bya@nt-rt.ru](mailto:bya@nt-rt.ru) | | [www.bray.nt-rt.ru](http://www.bray.nt-rt.ru)