



## Wet Armature Directional Control Valves

DG4S4-01\*B/C-(U)-\*-60

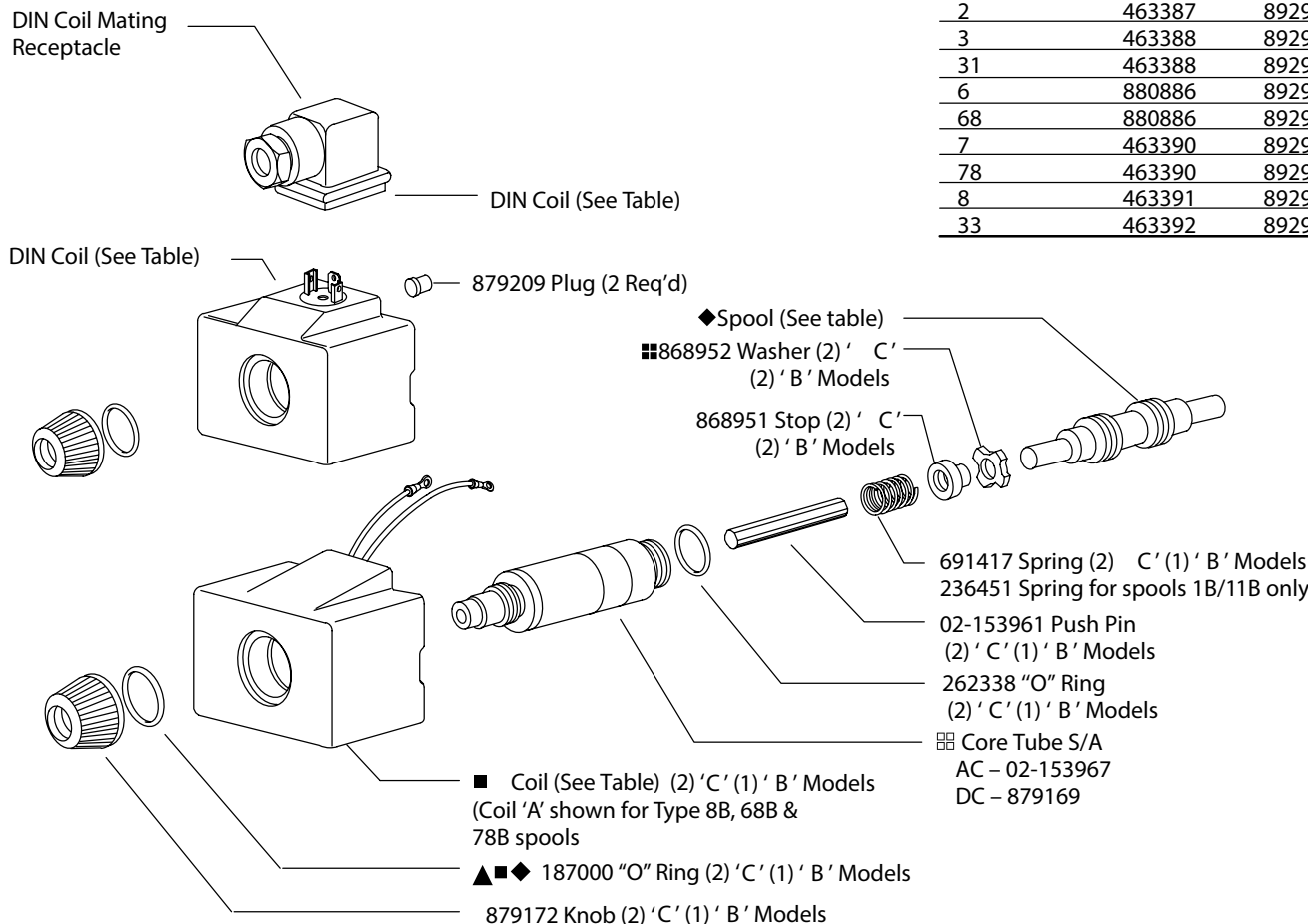
| COIL S/A  | COIL KIT | VOLTAGE |       | DC VOLT | COIL CODE | DIN COIL-KIT |           |
|-----------|----------|---------|-------|---------|-----------|--------------|-----------|
|           |          | 60 HZ   | 50 HZ |         |           |              |           |
| 868982    | 892995   | 120     | 110   |         | B         | 893007       | 879141    |
| 868983    | 892996   | 240     | 220   |         | D         | 893008       | 879143    |
| 868984    | 892997   | 460     | 440   |         | M         | 893009       | 879231    |
| 868985    | 892998   |         | 127   |         | EG        | 893010       | 879232    |
| 879211    |          |         | 240   |         | ED        |              | 879142    |
| 879212    |          |         | 110   |         | A         |              | 879144    |
| 879213    |          |         | 220   |         | C         |              | 879227    |
| 879214    |          |         | 24    |         | NN        |              | 879228    |
| 879215    | 893003   | 100     | 100   |         | T         | 893015       | 879229    |
| 879216    | 893004   | 380     | 380   |         | DZ        | 893016       | 879230    |
| 02-101843 |          | 24      | 24    |         | N         |              | 02-101845 |
| 02-101976 |          | 200     | 200   |         | OV        |              | 02-127060 |
| 868987    | 892999   |         |       | 12      | G         | 893011       | 879146    |
| 868988    | 893000   |         |       | 24      | H         | 893012       | 879147    |
| 868989    | 893001   |         |       | 48      | J         | 893013       | 879148    |
| 868990    |          |         |       | 110     | P         |              | 879226    |
| 868991    |          |         |       | 100     | R         |              | 879225    |
| 868992    | 893002   |         |       | 250     | X         | 893014       | 879224    |
| 879233    |          |         |       | 125     | DP        |              | 879149    |
| 02-119664 |          | 48      | 48    |         | K         |              | 02-127061 |
| 02-119665 |          |         | 48    |         | KK        |              | 02-127062 |
| 02-119666 |          | 24      |       |         | NV        |              | 02-127063 |
| 02-300515 |          | 220     |       |         | DN        |              | 02-300519 |
| 02-300516 |          | 115     |       |         | EK        |              | 02-300520 |
| 02-300517 |          | 110     | 100   |         | BX        |              | 02-300521 |
| 02-300518 |          | 320     | 200   |         | DX        |              | 02-300522 |

**Spool Assembly Notes**  
 Assembly type "1" spool with relieved land towards "A" port.  
 Assembly type "3" spool with narrow land towards "A" port.  
 Assembly type "11" spool with relieved land towards "B" port.  
 Assembly type "31" spool with narrow land towards "B" port.  
 Type "68C" is the same as type "6" except solenoid is assembled on opposite end (do not reverse solenoid on "68B" models) and a different diagram plate is used. Type "68C/B" models are used as pilots for spring centered two stage valves with "4" or "8" type spools only.

Type "78C" is the same as type "7" except solenoid is assembled on opposite end (do not reverse solenoid on "78B" models) and a different diagram plate is used. Type "78C/B" models are used as pilots for pressure centered two stage valves with "4" or "8" type spools only.

Type 8C spools. Solenoid designations are reversed.  
 Type 8B spools. Left hand assembly with coil "A" shown. For right hand assembly, all parts of valve except spool and body are reversed.

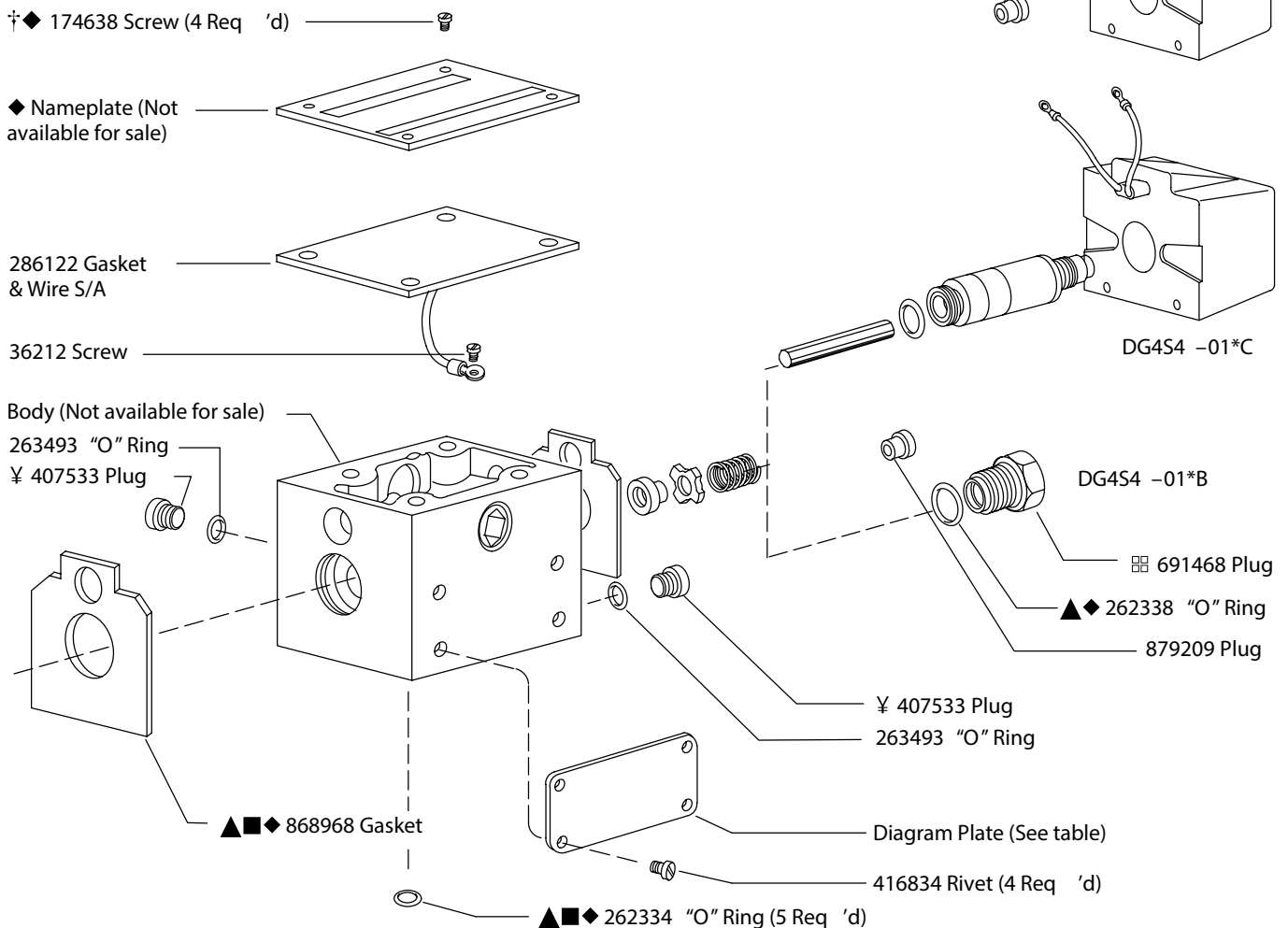
| SPOOL TYPE | PART   | SPOOL KIT |
|------------|--------|-----------|
| 0          | 463385 | 892977    |
| 1          | 463386 | 892978    |
| 11         | 463386 | 892988    |
| 2          | 463387 | 892979    |
| 3          | 463388 | 892980    |
| 31         | 463388 | 892981    |
| 6          | 880886 | 892983    |
| 68         | 880886 | 892984    |
| 7          | 463390 | 892985    |
| 78         | 463390 | 892986    |
| 8          | 463391 | 892987    |
| 33         | 463392 | 892982    |



| SPOOL TYPE | DIAGRAM PLATE |
|------------|---------------|
| 11 & 31    | 290339        |
| 8          | 290340        |
| 0          | 290341        |
| 1          | 290342        |
| 2          | 290343        |
| 3          | 290344        |
| 6          | 290345        |
| 7          | 290346        |
| 68         | 577480        |
| 78         | 577482        |
| 33         | 577484        |

**Note**  
For satisfactory service life of these components in industrial applications, use full flow filtration to provide fluid which meets ISO cleanliness code 18/15 or cleaner.

**Note**  
Refer to other end of valve for common part numbers.



#### DC Coils with Surge Suppression Device Encapsulated

| Coil S/A  | DC Voltage | DIN Coil S/A | Coil Code |
|-----------|------------|--------------|-----------|
| 02-154795 | 12         | 02-154798    | G         |
| 02-154767 | 24         | 02-154796    | H         |

Refer to model code for ordering with surge suppression.

#### Spool/Spring Arrangement

**Note**

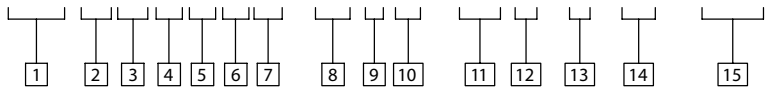
B models only

Right hand assembly shown (except type '8'). For left hand assembly ( -LH models), all parts of valve except spool and body are reversed. Use left hand diagram plate.

- ▲ Included in F3 Seal Kit 892976
- ◆ Included in Spool Kit
- Included in Coil Kit
- Rounded face on 868952 washer must mate with spool
- Torque 24 -29 N.m (18 -22 lbf. ft.)
- ¥ Torque 12.1 -12.4 N.m (107 -110 lbf. in.)
- † Torque 0.8 -1.01 N.m (7 -9 lbf. in.)

# Model Code

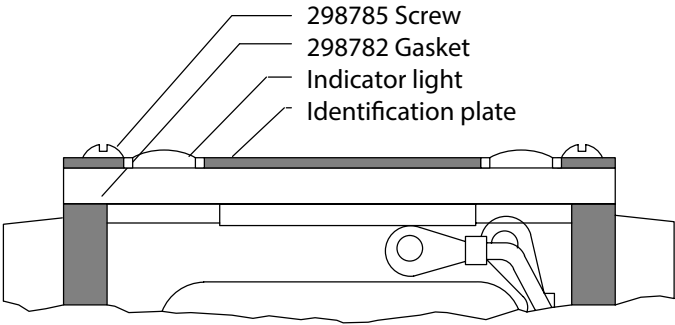
(F3) D G 4 S 4 \*\* - 01 \* B - (U) \* - \* - 60 - (LH)



|                                                                            |                                                                                                                                                                                    |                                                                                                                                          |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <div>1</div> Special Seals<br>Blank - Standard seals<br>F3 - Special seals | <div>7</div> Electrical Accessories<br>L - Solenoid indicator lights<br>W - Wiring housing<br>LW - Wiring housing with indicator lights<br>WT - Wiring housing with terminal strip | <div>11</div> Wet Armature Solenoid (non-serviceable core tubes)<br>Blank - Flying lead coils<br>U - DIN 43650 coils w/o electrical plug |
| <div>2</div> Directional Control Valve                                     |                                                                                                                                                                                    |                                                                                                                                          |
| <div>3</div> Manifold or Subplate Mounted                                  | <div>8</div> Interface<br>01 - ISO-4401-AC-50-4-A NFPA D05 (1 1/8 in. nominal size)                                                                                                | <div>12</div> Coil Type<br>7 - Coil with surge suppression (DC models only 12 & 24V DC)                                                  |
| <div>4</div> Solenoid Operated                                             |                                                                                                                                                                                    |                                                                                                                                          |
| <div>5</div> Sliding Spool                                                 | <div>9</div> Spool Types<br>0, 1, 2, 3, 6, 7, 8, 11, 31 & 33                                                                                                                       | <div>13</div> Coil Identification Letters                                                                                                |
| <div>6</div> Flow Direction<br>4 - Four way                                | <div>10</div> Spool/Spring Arrangement<br>B - Spring centered solenoid 'A' removed<br>C - Spring centered, three position                                                          | <div>14</div> Design                                                                                                                     |
|                                                                            |                                                                                                                                                                                    | <div>15</div> Left-Hand Assembly (omit for right-hand assembly)                                                                          |

## Light Kits

|                                                                 |        |
|-----------------------------------------------------------------|--------|
| Solenoid Indicator Light Kit<br>(Includes all parts identified) |        |
| Voltage Range                                                   | Kit    |
| 100 thru 27                                                     | 941615 |
| 192 thru 233                                                    | 941617 |



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**Danfoss  
Power Solutions (US) Company**  
2800 East 13th Street  
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**Danfoss  
Power Solutions GmbH & Co. OHG**  
Krokamp 35  
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Phone: +49 4321 871 0

**Danfoss  
Power Solutions ApS**  
Nordborgvej 81  
DK-6430 Nordborg, Denmark  
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Power Solutions Trading  
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