

## Features

- Compact designs
- Coil windings are insulated to provide shock and vibration protection
- ASC2 is designed to provide weather protection
- Interchangeable housings

## Voltage Options

- 24V 50/60 Hz
- 120V 50/60 Hz (standard)
- 208-220/208-240V 50/60 Hz
- 480V 50/60 Hz
- 120-240V 50/60 Hz
- 12V D.C. (MM Series recommended)
- 24V D.C. (MM Series recommended)

## Nomenclature

| Coil Code     |                   |                        |
|---------------|-------------------|------------------------|
| A             | M                 | G                      |
| <b>Series</b> | <b>Insulation</b> | <b>Enclosure</b>       |
| A = 12 Watt   | B or G = Class B  | C = Conduit Connection |
| B = 15 Watt   | M = Class F       | F = Open Frame Leads   |
| C = 18 Watt   | H = Class H       | G = Junction Box       |
| D = 7 Watt    |                   | L = Grommet 18" Leads  |
| M = 4 Watt    |                   | S = Spade Connection   |

ASC2 – DIN



Requires ASC2 female connector (PCN 059261).

MMG – Special DC



AMC - 1/2" Conduit



AMG - Junction Box



AMS - Open Frame



### MAGMAX Coil (Type MM): For Use On DC Applications Only

| Voltage | Amperes Holding | Watts Holding |
|---------|-----------------|---------------|
| 12VDC   | 0.4             | 4             |
| 24VDC   | 0.4             | 4             |

## Solenoid Coil Prefix Selection Table

1) Select Prefix 2) Select Voltage 3) Select PCN

| Valve Type             | J-Box | Conduit | Leads | Spades | Molded-DIN With Connector |
|------------------------|-------|---------|-------|--------|---------------------------|
| 50RB                   | -     | -       | SML*  | -      | -                         |
| 100RB                  | AMG   | AMC     | AMF   | AMS    | ASC2                      |
| 200RB / 200RD          | AMG   | AMC     | AMF   | AMS    | ASC2                      |
| 222CB (Steam)          | AHG   | AHC     | -     | -      | -                         |
| 500RB                  | DMG   | -       | DMF   | DMS    | -                         |
| 540RA                  | -     | -       | -     | DMS    | ASC2                      |
| 222CB (Water)          | AMG   | AMC     | AMF   | AMS    | ASC2                      |
| Special DC Application | MMG   | -       | MMF   | -      | -                         |

\* SML is OEM - RMF is Wholesale replacement

Note - All coils NEMA1 except ASC2 NEMA2

## AM/EM Coil:

204CD  
214CB  
211CA  
222CB  
210CA

| Nominal Voltage and Frequency | Applied Voltage and Frequency | 204CD  |         | 214C   |         | 211CA  |         | 222CB  |         | 210CA  |         |
|-------------------------------|-------------------------------|--------|---------|--------|---------|--------|---------|--------|---------|--------|---------|
|                               |                               | Inrush | Holding | Inrush | Holding | Inrush | Holding | Inrush | Holding | Inrush | Holding |
| 24/60                         | 24/60                         | 1.23   | 0.61    | 1.17   | 0.61    | 0.92   | 0.61    | 1.00   | 0.74    | 0.92   | 0.61    |
| 120/60                        | 120/60                        | 0.23   | 0.14    | 0.22   | 0.14    | 0.17   | 0.14    | 0.19   | 0.16    | 0.17   | 0.14    |
| 240/60                        | 240/60                        | 0.13   | 0.08    | 0.12   | 0.08    | 0.10   | 0.08    | 0.11   | 0.08    | 0.10   | 0.08    |
| 480/60                        | 480/60                        | 0.06   | 0.04    | 0.05   | 0.04    | 0.05   | 0.04    | 0.05   | 0.04    | 0.05   | 0.04    |

See the MM (MAGMAX) Series Coil for DC Applications

**AM Coil:**  
702RA

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA Holding | Watts Max. | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|------------|------------|-----------------|
|                               |                               | Inrush  | Holding |            |            |                 |
| 24-50/60                      | 24/50                         | 1.70    | 1.00    | 24         | 17/12      | Class F Molded  |
| 24-50/60                      | 24/60                         | 1.41    | 0.64    | 15         |            |                 |
| 120-50/60                     | 120/50                        | 0.38    | 0.24    | 29         |            |                 |
| 120-50/60                     | 120/60                        | 0.32    | 0.16    | 19         |            |                 |
| 208-220/50 208-240/60         | 208/50                        | 0.17    | 0.10    | 21         |            |                 |
| 208-220/50 208-240/60         | 208/60                        | 0.15    | 0.06    | 13         |            |                 |
| 208-220/50 208-240/60         | 220/50                        | 0.20    | 0.14    | 33         |            |                 |
| 208-220/50 208-240/60         | 240/60                        | 0.22    | 0.09    | 22         |            |                 |
| 480-50/60                     | 480/50                        | 0.10    | 0.07    | 33         |            |                 |
| 480-50/60                     | 480/60                        | 0.09    | 0.04    | 22         |            |                 |

See the MM (MAGMAX) Series Coil for DC Applications

**AM Coil:**  
100RB  
240RA  
710/713RA

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA      | Watts Max. | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|---------|------------|-----------------|
|                               |                               | Inrush  | Holding | Holding |            |                 |
| 24-50/60                      | 24/50                         | 1.20    | .96     | 23      | 17/12      | Class F Molded  |
| 24-50/60                      | 24/60                         | 1.0     | .74     | 18      |            |                 |
| 120-50/60                     | 120/50                        | .25     | .21     | 25      |            |                 |
| 120-50/60                     | 120/60                        | .19     | .16     | 19      |            |                 |
| 208-220/50 208-240/60         | 208/50                        | .14     | .08     | 17      |            |                 |
| 208-220/50 208-240/60         | 208/60                        | .12     | .06     | 12      |            |                 |
| 208-220/50 208-240/60         | 220/50                        | .16     | .10     | 24      |            |                 |
| 208-220/50 208-240/60         | 240/60                        | .13     | .08     | 19      |            |                 |
| 480-50/60                     | 480/50                        | .06     | .05     | 24      |            |                 |
| 480-50/60                     | 480/60                        | .05     | .04     | 19      |            |                 |

See the MM (MAGMAX) Series Coil for DC Applications

**AM Coil:**  
200RB/200RD

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA Holding | Watts Max. | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|------------|------------|-----------------|
|                               |                               | Inrush  | Holding |            |            |                 |
| 24-50/60                      | 24/50                         | 2.00    | .96     | 23         | 17/12      | Class F Molded  |
| 24-50/60                      | 24/60                         | 1.6     | .74     | 18         |            |                 |
| 120-50/60                     | 120/50                        | .45     | .21     | 25         |            |                 |
| 120-50/60                     | 120/60                        | .36     | .16     | 19         |            |                 |
| 208-220/50 208-240/60         | 208/50                        | .19     | .08     | 17         |            |                 |
| 208-220/50 208-240/60         | 208/60                        | .15     | .06     | 12         |            |                 |
| 208-220/50 208-240/60         | 220/50                        | .24     | .10     | 24         |            |                 |
| 208-220/50 208-240/60         | 240/60                        | .19     | .08     | 19         |            |                 |
| 480-50/60                     | 480/50                        | .11     | .05     | 24         |            |                 |
| 480-50/60                     | 480/60                        | .09     | .04     | 19         |            |                 |

See the MM (MAGMAX) Series Coil for DC Applications

**ASC2 Coil:**  
200RB/200RD  
540RA

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA Holding | Watts Max. | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|------------|------------|-----------------|
|                               |                               | Inrush  | Holding |            |            |                 |
| 24-50/60                      | 24/50                         | 2.18    | 1.07    | 26         | 15/12      | Class F Molded  |
| 24-50/60                      | 24/60                         | 1.90    | .81     | 19         |            |                 |
| 120-50/60                     | 120/50                        | .43     | .21     | 25         |            |                 |
| 120-50/60                     | 120/60                        | .38     | .16     | 19         |            |                 |
| 240-50/60                     | 240/50                        | .24     | .12     | 30         |            |                 |
| 240-50/60                     | 240/60                        | .21     | .09     | 22         |            |                 |

**DM Coil:**  
500RB

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA Holding | Watts Max. | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|------------|------------|-----------------|
|                               |                               | Inrush  | Holding |            |            |                 |
| 24-50/60                      | 24/50                         | 1.80    | .71     | 17         | 17/12      | Class F Molded  |
| 24-50/60                      | 24/60                         | 1.56    | .52     | 12         |            |                 |
| 120-50/60                     | 120/50                        | .36     | .14     | 17         |            |                 |
| 120-50/60                     | 120/60                        | .31     | .10     | 12         |            |                 |
| 240-50/60                     | 240/50                        | .19     | .08     | 19         |            |                 |
| 240-50/60                     | 240/60                        | .17     | .06     | 14         |            |                 |

**ASC2 Coil:**  
100RB  
240RA  
710/713RA

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA Holding | Watts Max. | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|------------|------------|-----------------|
|                               |                               | Inrush  | Holding |            |            |                 |
| 24-50/60                      | 24/50                         | 1.67    | 1.10    | 26         | 15/12      | Class F Molded  |
| 24-50/60                      | 24/60                         | 1.41    | .83     | 20         |            |                 |
| 120-50/60                     | 120/50                        | .31     | .22     | 26         |            |                 |
| 120-50/60                     | 120/60                        | .26     | .16     | 20         |            |                 |
| 240-50/60                     | 240/50                        | .17     | .13     | 31         |            |                 |
| 240-50/60                     | 240/60                        | .15     | .10     | 23         |            |                 |

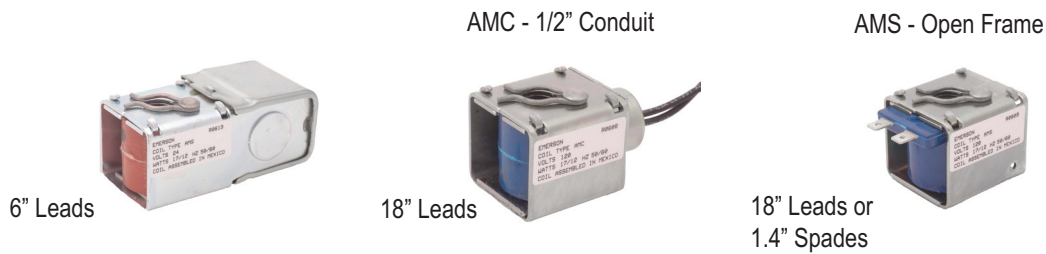
**DM Coil:**  
100RB  
240RA  
710/713RA

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA Holding | Watts Max. | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|------------|------------|-----------------|
|                               |                               | Inrush  | Holding |            |            |                 |
| 24-50/60                      | 24/50                         | 1.21    | .72     | 17         | 17/12      | Class F Molded  |
| 24-50/60                      | 24/60                         | 1.02    | .52     | 13         |            |                 |
| 120-50/60                     | 120/50                        | .24     | .14     | 17         |            |                 |
| 120-50/60                     | 120/60                        | .20     | .10     | 12         |            |                 |
| 240-50/60                     | 240/50                        | .13     | .08     | 20         |            |                 |
| 240-50/60                     | 240/60                        | .11     | .06     | 14         |            |                 |

**RMS/RMF Coil:**  
50RB

| Nominal Voltage and Frequency | Applied Voltage and Frequency | Amperes |         | VA Holding | Watts Max.      | Coil Insulation |
|-------------------------------|-------------------------------|---------|---------|------------|-----------------|-----------------|
|                               |                               | Inrush  | Holding |            |                 |                 |
| 24-50/60                      | 24/50                         | .87     | .50     | 12         | RMF/7<br>RMS/10 | Class F Molded  |
| 24-50/60                      | 24/60                         | .90     | .40     | 10         |                 |                 |
| 120-50/60                     | 120/50                        | .19     | .19     | 22         |                 |                 |
| 120-50/60                     | 120/60                        | .17     | .09     | 10         |                 |                 |
| 208-50/60                     | 208/60                        | .08     | .03     | 7          |                 |                 |
| 220-50/60                     | 220/50                        | .10     | .05     | 11         |                 |                 |
| 240-50/60                     | 240/50                        | .11     | .06     | 14         |                 |                 |
| 240-50/60                     | 240/60                        | .10     | .04     | 11         |                 |                 |

## Ordering Information



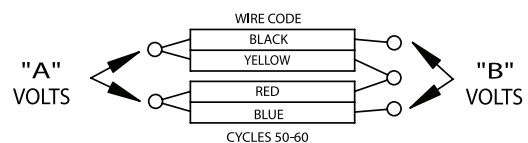
| Voltage / Frequency      | Description                  | PCN    | Description                  | PCN    | Description                  | PCN    |
|--------------------------|------------------------------|--------|------------------------------|--------|------------------------------|--------|
| 24V 50/60 Hz             | AHG 24V 50/60 Hz             | 057669 | AMC 24V 50/60 Hz             | 057631 | AMF 24V 50/60 Hz             | 057539 |
|                          | AMG 24V 50/60 Hz             | 057341 | AHC 24V 50/60 Hz             | 057736 | AMF 24V 50/60 Hz             | 057538 |
|                          |                              |        |                              |        | DMS 24V 50/60 Hz             | 062013 |
|                          | DMG 24V 50/60 Hz             | 055129 | --                           | --     | RMF 24V 50/60 Hz             | 065677 |
|                          | --                           | --     | --                           | --     | AMS 24V 50/60 Hz             | 057603 |
| 120V 50/60 Hz            | AHG 120V 50/60 Hz            | 057673 | AMC 120V 50/60 Hz            | 057598 | RMF 120V 50/60 Hz            | 065678 |
|                          | AMG 120V 50/60 Hz            | 057331 | AHC 120V 50/60 Hz            | 057743 | AMS 120V 50/60 Hz            | 057349 |
|                          | DMG 120V 50-60 Hz            | 054762 | --                           | --     | RMS 120V 50/60 Hz            | 065204 |
| 208-220/208-240 50/60 Hz | AHG 208-220/208-240 50/60 Hz | 057671 | AHC 208-220/208-240 50/60 Hz | 057741 | AMF 208-220/208-240 50/60 Hz | 057540 |
|                          | AMG 208-220/208-240 50/60 Hz | 057342 | AMC 208-220/208-240 50/60 Hz | 057594 | RMF 208-220/208-240 50/60 Hz | 065679 |
|                          | DMG 208-220/208-240 50/60 Hz | 054764 | --                           | --     | AMS 208-220/208-240 50/60 Hz | 057531 |
|                          | --                           | --     | --                           | --     | RMS 208-220/208-240 50/60 Hz | 065681 |
|                          | --                           | --     | --                           | --     | DMS 208-220/208-240 50/60 Hz | 063399 |
| 480V 50/60 Hz            | AMG 480V 50/60 Hz            | 057527 | --                           | --     | AMF 480V 50/60 Hz            | 057534 |
| 120-240V 50/60 Hz        | AMG 120-240V 50/60 Hz        | 057343 | AMC 120-240V 50/60 Hz        | 057730 | AMF 120-240V 50/60 Hz        | 062410 |
| 277V 60 Hz               | AMG 277V 60 Hz               | 057528 | --                           | --     | AMF 277V 50/60 Hz            | 057533 |
|                          | --                           | --     | --                           | --     | AMS 277V 50/60 Hz            | 057714 |
| 12V DC                   | AMG 12V DC                   | 057521 | AMC 12V DC                   | 057596 | --                           | --     |
| 24V DC                   | AMG 24V DC                   | 057523 | AMC 24V DC                   | 057633 | --                           | --     |

### ASC2 – DIN



| Voltage/Frequency        | Description        | PCN    | Description | PCN    |
|--------------------------|--------------------|--------|-------------|--------|
| 24V 50/60 Hz             | ASC2 24/50-60      | 062792 | --          | --     |
| 24V 50/60 Hz             | ASC2L 24/50-60     | 063542 | --          | --     |
| 120V 50/60 Hz            | ASC2 120/50-60     | 062462 | --          | --     |
| 120V 50/60 Hz            | ASC2 GS-2562-1     | 015384 | --          | --     |
| 208-220/208-240 50-60 Hz | ASC2 208-240/50-60 | 062463 | --          | --     |
| 208-220/208-240 50-60 Hz | ASC2 GS-2562-2     | 015383 | --          | --     |
| 12V                      | --                 | --     | MMG 12V DC  | 063524 |
| 12V                      | --                 | --     | MMF 12V DC  | 062972 |
| 24V                      | ASC2 24V DC        | 064375 | MMG 24V DC  | 063526 |

### Dual Voltage Wiring Diagram



| A   | B   |
|-----|-----|
| 120 | 240 |
| 240 | 480 |

AM and ASC 2 style DC coils should not be used for direct replacements on OEM equipment. The use of this coil on new applications may result in the valve not opening. New applications should use the MM coil because of the significant increase in opening power of the MM Coil over the standard AM and ASC 2 style DC coil.

### Coil Enclosure Options

| Options                | Code |
|------------------------|------|
| Junction Box           | G    |
| Conduit - 18" Leads    | C    |
| Open Frame - 18" Leads | F    |
| Open Frame - Spades    | S    |