

# EXPLOSION PROOF ELECTRICAL PARTS

## COIL GROUP

# 2.0/2.1

## ENCAPSULATED ELECTRICAL PARTS "mb"



ZONE 1/21

## ELECTRICAL PART 32 mm

This coil can be mounted with every Parker ATEX solenoid valves corresponding to the specified Coil Group.  
See column "Coil Group" within valve pages.

**Application:** Control of solenoid valves in dangerous areas where explosion-proof protection Ex mb II T4 is required.

**Benefits:** Coil and magnetic circuit encapsulated in synthetic material offering shock and corrosion protection. AC/DC coils with integrated thermal fuse. DC coils with integrated surge suppression diode.

Small size for ease of mounting in confined spaces.



|                        |      |                                                                                                |             |     |      |
|------------------------|------|------------------------------------------------------------------------------------------------|-------------|-----|------|
| Reference              |      | 492670 or 492670.10* or 492670.160**                                                           |             |     |      |
| Certificate            |      | LCIE 02 ATEX 6015 X                                                                            |             |     |      |
| Coil Group             |      | 2.0 / 2.1                                                                                      |             |     |      |
| Type of protection     | Gas  | II 2 G - Ex mb II T4                                                                           |             |     |      |
|                        | Dust | II 2 D - Ex tb IIIC - T130°C                                                                   |             |     |      |
| Degree of protection   |      | IP65 (With DIN Plug connector) acc. to IEC 60529                                               |             |     |      |
| Ambiant temperature    |      | -40°C to +40°C<br>The application is limited also by the temperature range of the valve.       |             |     |      |
| Class of insulation    |      | F 155°C                                                                                        |             |     |      |
| Electrical connection  |      | Cable connection (3 x 1.5 mm²) encapsulated with coil, cable material according to application |             |     |      |
| Elect. Power           | DC   | Pn (hot)                                                                                       | 9 W         |     |      |
|                        |      | P (cold) 20°C                                                                                  | 12 W        |     |      |
|                        | AC   | Pn (holding)                                                                                   | 8 W         |     |      |
|                        |      | Attraction cold                                                                                | 26 VA (9 W) |     |      |
| Weight                 |      | 320 g                                                                                          |             |     |      |
| Voltages "Un"          |      | VAC/Hz                                                                                         | Code        | VDC | Code |
| -10% to +10% of the Un |      | 48/50                                                                                          | A4          | 24  | C2   |
|                        |      | 230/50                                                                                         | F4          | 48  | C4   |
|                        |      |                                                                                                |             | 110 | C5   |

To Order a Coil choose Coil Ref + Voltage Code, example: 492670 for 24VDC = 492470C2

\* 492670.10 for stainless steel application - 3 m cable length

\*\* 492670.160 - 6 m cable length

### Special conditions:

The supply connection lines have to be fixed and positioned in such a way that they are protected against mechanical damages.

It is necessary to use a safety fuse with a nominal current corresponding to the coil current (max. 3 x nominal according to IEC 60127 and IEC 60269) against short-circuits.

### Recommended values:

DC: 12 V, 1250 mA - 24 V, 630 mA - 48 V, 315 mA - 110 V, 125 mA  
AC 50 Hz: 24 V, 1000 mA - 48 V, 500 mA - 110 V, 250 mA - 230 V, 100 mA  
AC 60 Hz: 240 V, 100 mA

