

Coil group  
**2.0/2.1**

**FLAME PROOF ENCAPSULATED  
ELECTRICAL PARTS "db mb"**



These coils can be mounted with every Parker ATEX solenoid valve corresponding to the specified Coil Group.

See column "Coil Group" in the valve pages.

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

Benefits: Rotatable 360° fibreglass-reinforced plastic housing (class H). Solenoid coil, rectifier (silicium diodes), fuses and varistor protection are completely encapsulated into the coil housing by epoxy resin for shock and corrosion protection.

The plastic housing is delivered with M20 x 1.5 cable gland certified for use "db" protection. Small size for ease of mounting in a confined space.



|                              |  |                             |            |             |
|------------------------------|--|-----------------------------|------------|-------------|
| <b>Reference</b>             | 495905   |                             | 495905.05* |             |
| <b>Certificate</b>           | LCIE 03 ATEX 6451 X - IECEx LCI 06.0004 X  |                             |            |             |
| <b>Coil Group</b>            | 2.0 / 2.1  |                             |            |             |
| <b>Type of protection</b>    | <b>Gas</b>   | II 2 G - Ex db mb IIC T4    |            |             |
|                              | <b>Dust</b>  | II 2 D - Ex tb IIIC - 130°C |            |             |
| <b>Degree of protection</b>  | IP67 according to IEC/EN 60529 Standards   |                             |            |             |
| <b>Ambient temperature</b>   | -40°C to +80°C<br>The application is limited also by the temperature range of the valve.   |                             |            |             |
| <b>Class of insulation</b>   | H (180 °)  |                             |            |             |
| <b>Electrical connection</b> | Electrical connection is done in the connection box easily accessible connector terminals. The introduction of the cable (Ø min 5 mm, Ø max. 11 mm, section max. 2.5 mm <sup>2</sup> ) in the connection box passes by the built in M20 x 1.5 cable gland. |                             |            |             |
| <b>Elect. Power</b>          | <b>DC</b>  | <b>Pn (hot)</b>             | 8 W        |             |
|                              |  | <b>P (cold) 20°C</b>        | 9 W        |             |
|                              | <b>AC</b>  | <b>Pn (holding)</b>         | 8 W        |             |
|                              |  | <b>Attraction cold</b>      | 9 W        |             |
| <b>Voltages "Un"</b>         | <b>VAC/Hz</b>  | <b>Code</b>                 | <b>VDC</b> | <b>Code</b> |
| -10% to +10% of Un for AC    | 24/50  | <b>A2</b>                   | 24         | <b>C2</b>   |
| -10% to +10% for Un DC       | 48/50  | <b>A4</b>                   | 48         | <b>C4</b>   |
|                              | 115/50   | <b>E5</b>                   | 110        | <b>C5</b>   |
|                              | 230/50   | <b>F4</b>                   |            |             |

**To Order a Coil choose Coil Ref + Voltage Code, example: 495905 for 24 VDC = 495905C2**

\* 495905.05 available only in C4

