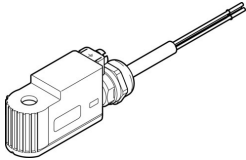


# Solenoid coil VACF-B-K1-1-5-EX4-M

Part number: 8059805

**FESTO**



 General operating condition

## Data sheet

| Feature                                           | Value                                                                                                                                                                                                      |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting position                                 | optional                                                                                                                                                                                                   |
| Switching position indicator                      | no                                                                                                                                                                                                         |
| Min. pick-up time                                 | 10 ms                                                                                                                                                                                                      |
| Duty cycle                                        | 100%                                                                                                                                                                                                       |
| Characteristic coil data                          | 24 V DC: 4.36 W                                                                                                                                                                                            |
| Permissible voltage fluctuations                  | +/- 10 %                                                                                                                                                                                                   |
| CE mark (see declaration of conformity)           | To EU Explosion Protection Directive (ATEX)<br>In accordance with EU RoHS Directive                                                                                                                        |
| UKCA marking (see declaration of conformity)      | To UK EX instructions<br>To UK RoHS instructions                                                                                                                                                           |
| Explosion protection certification outside the EU | EPL Db (BR)<br>EPL Db (CN)<br>EPL Db (GB)<br>EPL Db (IEC-EX)<br>EPL Gb (BR)<br>EPL Gb (CN)<br>EPL Gb (GB)<br>EPL Gb (IECEx)                                                                                |
| Explosion protection                              | Zone 1 (ATEX)<br>Zone 1 (BR)<br>Zone 1 (CN)<br>Zone 1 (IEC-EX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (BR)<br>Zone 21 (CN)<br>Zone 21 (IEC-EX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| Certificate issuing authority                     | CML22UKEX5255X<br>DNV17.0013X<br>GYJ23.1154X<br>IBExU 16 ATEX1146X<br>IECEX IBE16.0024X                                                                                                                    |
| ATEX category gas                                 | II 2G                                                                                                                                                                                                      |
| ATEX category dust                                | II 2D                                                                                                                                                                                                      |
| Explosion ignition protection type for gas        | Ex mb IIC T5 Gb                                                                                                                                                                                            |
| Explosion ignition protection type for dust       | Ex mb IIIC T95°C Db                                                                                                                                                                                        |
| Explosion ambient temperature                     | -30 °C ≤ Ta ≤ +40 °C                                                                                                                                                                                       |
| Corrosion resistance class CRC                    | 0 - No corrosion stress                                                                                                                                                                                    |
| LABS (PWIS) conformity                            | VDMA24364-C1-L                                                                                                                                                                                             |

| Feature                         | Value                                       |
|---------------------------------|---------------------------------------------|
| Degree of protection            | IP65                                        |
| Ambient temperature             | -30 °C ... 40 °C                            |
| Product weight                  | 170 g                                       |
| Electrical connection           | 3-wire<br>Cable with open end               |
| Cable length                    | 5 m                                         |
| Nominal cross section conductor | 0.75 mm <sup>2</sup>                        |
| Type of mounting                | Via knurled nut                             |
| Note on materials               | RoHS-compliant                              |
| Material solenoid coil          | Aluminium<br>Epoxy resin<br>Copper<br>Steel |
| Material winding                | Copper                                      |