

# Solenoid coil VACF-B-K1-16B-1-EX4-M

Part number: 8059811

**FESTO**



## Data sheet

| Feature                                           | Value                                                                                                                                                                                                      |
|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting position                                 | Any                                                                                                                                                                                                        |
| Switching position indication                     | No                                                                                                                                                                                                         |
| Min. pick-up time                                 | 10 ms                                                                                                                                                                                                      |
| Duty cycle                                        | 100%                                                                                                                                                                                                       |
| Coil characteristics                              | 110 V AC: 50/60 Hz, power 4.18 VA                                                                                                                                                                          |
| Permissible frequency fluctuations                | +/- 5%                                                                                                                                                                                                     |
| Permissible voltage fluctuations                  | +/- 10%                                                                                                                                                                                                    |
| CE marking (see declaration of conformity)        | as per EU explosion protection directive (ATEX)<br>As per EU RoHS directive                                                                                                                                |
| UKCA marking (see declaration of conformity)      | acc. 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 (IEC-EX)                                                                               |
| Explosion prevention and 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                     | 2020322307001099<br>CML22UKEX5255X<br>DNV17.0013X<br>GYJ23.1154X<br>IBExU 16 ATEX1146X<br>IECEX IBE16.0024X                                                                                                |
| ATEX category gas                                 | II 2G                                                                                                                                                                                                      |

| Feature                                | Value                                |
|----------------------------------------|--------------------------------------|
| ATEX category for dust                 | II 2D                                |
| Type of ignition protection for gas    | Ex mb IIC T5 Gb                      |
| Type of (ignition) protection for dust | Ex mb IIIC T95°C Db                  |
| Explosive ambient temperature          | -30°C ≤ Ta ≤ +40°C                   |
| Corrosion resistance class (CRC)       | 0 - No corrosion stress              |
| LABS (PWIS) conformity                 | VDMA24364-C1-L                       |
| Degree of protection                   | IP65                                 |
| Ambient temperature                    | -30 °C...40 °C                       |
| Product weight                         | 170 g                                |
| Electrical connection                  | 3-wire<br>Open-ended cable           |
| Cable length                           | 1 m                                  |
| Nominal conductor cross section        | 0.75 mm²                             |
| Type of mounting                       | With knurled nut                     |
| Note on materials                      | RoHS compliant                       |
| Solenoid coil material                 | Aluminum<br>Epoxy<br>Copper<br>Steel |
| Material of winding                    | Copper                               |