

# Solenoid coil

## VACC-S18-70-K4-16U-EX4D

Part number: 3504609

**FESTO**



## Data sheet

| Feature                                           | Value                                                                                                                                        |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Actuation type                                    | Electrical                                                                                                                                   |
| Mounting position                                 | Any                                                                                                                                          |
| Switching position indication                     | no                                                                                                                                           |
| Duty cycle                                        | 100%                                                                                                                                         |
| Insulation class                                  | H                                                                                                                                            |
| Coil characteristics                              | 120 V AC: 50/60 Hz, power 7.0 VA<br>120 V DC: 7.0 W                                                                                          |
| Permissible voltage fluctuations                  | -15 % / +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 (GB)<br>EPL Db (IEC-EX)<br>EPL Gb (GB)<br>EPL Gb (IEC-EX)                                                                             |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 1 (IEC-EX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (IEC-EX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| Certificate issuing authority                     | BVS15ATEXE135<br>IECExBVS.15.0116                                                                                                            |
| ATEX category gas                                 | II 2G                                                                                                                                        |
| ATEX category for dust                            | II 2D                                                                                                                                        |
| Type of ignition protection for gas               | Ex db IIC T6, T5, T4 Gb                                                                                                                      |
| Type of (ignition) protection for dust            | Ex tb IIIC T80°C, 95°C, 130°C Db                                                                                                             |
| Explosive ambient temperature                     | T4, T130°C: -50°C ≤ Ta ≤ +90°C<br>T5, T95°C: -50°C ≤ Ta ≤ +55°C<br>T6, T80°C: -50°C ≤ Ta ≤ +40°C                                             |
| Corrosion resistance class (CRC)                  | 4 - Particularly high corrosion stress                                                                                                       |
| LABS (PWIS) conformity                            | VDMA24364 zone III                                                                                                                           |
| Degree of protection                              | IP65                                                                                                                                         |

| Feature                | Value                                    |
|------------------------|------------------------------------------|
| Product weight         | 1700 g                                   |
| Electrical connection  | Terminal box, cable entry thread M20x1.5 |
| Note on materials      | RoHS-compliant                           |
| Solenoid coil material | Wrought aluminum alloy<br>Gray cast iron |