

# Solenoid coil VACC-S18-70-K5-1U-EX4D

Part number: 3546549

**FESTO**



## Data sheet

| Feature                                           | Value                                                                                                                                        |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Type of actuation                                 | Electric                                                                                                                                     |
| Mounting position                                 | optional                                                                                                                                     |
| Switching position indicator                      | no                                                                                                                                           |
| Duty cycle                                        | 100%                                                                                                                                         |
| Insulation material class                         | H                                                                                                                                            |
| Characteristic coil data                          | 24 V AC: 50/60 Hz, power 7.0 VA<br>24 V DC: 7.0 W                                                                                            |
| Permissible voltage fluctuations                  | -15%/+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 (GB)<br>EPL Db (IEC-EX)<br>EPL Gb (GB)<br>EPL Gb (IECEX)                                                                              |
| Explosion 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 dust                                | II 2D                                                                                                                                        |
| Explosion ignition protection type for gas        | Ex db IIC T6, T5, T4 Gb                                                                                                                      |
| Explosion ignition protection type for dust       | Ex tb IIIC T80°C, 95°C, 130°C Db                                                                                                             |
| Explosion 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 - Very 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 NPT1/2   |
| Note on materials      | RoHS-compliant                            |
| Material solenoid coil | Wrought aluminium alloy<br>Grey cast iron |