

# Solenoid coil VACN-N-K1-1-10-EX4-M

Part number: 8141606

FESTO



 General operating condition

## Data sheet

| Feature                                           | Value                                                                                                                                                                       |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Actuation type                                    | Electrical                                                                                                                                                                  |
| Mounting position                                 | Any                                                                                                                                                                         |
| Duty cycle                                        | 100%                                                                                                                                                                        |
| Insulation class                                  | F                                                                                                                                                                           |
| Enameled wire insulation class                    | H                                                                                                                                                                           |
| Coil characteristics                              | 24 V DC: 2.6 W                                                                                                                                                              |
| Permissible voltage fluctuations                  | +/- 10 %                                                                                                                                                                    |
| Maritime classification                           | See certificate                                                                                                                                                             |
| 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 (CN)<br>EPL Db (GB)<br>EPL Db (IEC-EX)<br>EPL Gb (CN)<br>EPL Gb (GB)<br>EPL Gb (IEC-EX)                                                                              |
| Explosion prevention and protection               | Zone 1 (ATEX)<br>Zone 1 (CN)<br>Zone 1 (IEC-EX)<br>Zone 1 (UKEX)<br>Zone 2 (ATEX)<br>Zone 21 (ATEX)<br>Zone 21 (CN)<br>Zone 21 (IEC-EX)<br>Zone 21 (UKEX)<br>Zone 22 (ATEX) |
| Certificate issuing authority                     | DNV 15.0189X/02<br>DNV TAA000011J<br>GYJ21.1327X<br>IECEX PTB 15.0016X<br>PTB 14 ATEX 2027 X                                                                                |
| ATEX category gas                                 | II 2G                                                                                                                                                                       |
| ATEX category for dust                            | II 2D                                                                                                                                                                       |
| Type of ignition protection for gas               | Ex mb IIC T6 Gb                                                                                                                                                             |
| Type of (ignition) protection for dust            | Ex mb IIIC T80°C Db<br>Ex mb tb IIIC T80°C Db                                                                                                                               |
| Explosive ambient temperature                     | -20°C ≤ Ta ≤ +40°C (block)<br>-20°C ≤ Ta ≤ +50°C (single)                                                                                                                   |
| Corrosion resistance class (CRC)                  | 2 - Moderate corrosion stress                                                                                                                                               |
| LABS (PWIS) conformity                            | VDMA24364-B2-L                                                                                                                                                              |

| Feature               | Value            |
|-----------------------|------------------|
| Degree of protection  | IP65             |
| Ambient temperature   | -20 °C ... 50 °C |
| Product weight        | 762 g            |
| Electrical connection | Cable            |
| Cable diameter        | 7 mm             |
| Cable length          | 10 m             |
| Type of mounting      | With knurled nut |
| Note on materials     | RoHS-compliant   |
| Housing material      | Steel            |
| Material of winding   | Copper           |