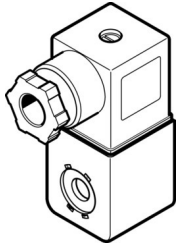


# Solenoid coil VACN-N-A1-16B-EX2-N

Part number: 8029137

FESTO



 General operating condition

## Data sheet

| Feature                                           | Value                                                                                                                      |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Type of actuation                                 | Electric                                                                                                                   |
| Mounting position                                 | optional                                                                                                                   |
| Duty cycle                                        | 100%                                                                                                                       |
| Insulation material class                         | F                                                                                                                          |
| Insulation material class of enamelled wire       | H                                                                                                                          |
| Characteristic coil data                          | 110 V AC: 50 Hz, pick-up power 6.9 VA, holding power 4.1 VA<br>110 V AC: 60 Hz, pick-up power 5.4 VA, holding power 3.2 VA |
| Permissible voltage fluctuations                  | +/- 10 %                                                                                                                   |
| Maritime classification                           | See certificate                                                                                                            |
| CE mark (see declaration of conformity)           | To EU Explosion Protection Directive (ATEX)                                                                                |
| UKCA marking (see declaration of conformity)      | To UK EX instructions                                                                                                      |
| Explosion protection certification outside the EU | EPL Dc (GB)<br>EPL Gc (GB)                                                                                                 |
| Explosion protection                              | Zone 2 (ATEX)<br>Zone 2 (UKEX)<br>Zone 22 (ATEX)<br>Zone 22 (UKEX)                                                         |
| Certificate issuing authority                     | DNV TAA000011J                                                                                                             |
| ATEX category gas                                 | II 3G                                                                                                                      |
| ATEX category dust                                | II 3D                                                                                                                      |
| Explosion ignition protection type for gas        | Ex nA IIC T5/T4 X Gc                                                                                                       |
| Explosion ignition protection type for dust       | Ex tc IIIC T95°C/T105°C X Dc                                                                                               |
| Explosion ambient temperature                     | -20°C ≤ Ta ≤ +60°C                                                                                                         |
| Corrosion resistance class CRC                    | 2 - Moderate corrosion stress                                                                                              |
| LABS (PWIS) conformity                            | VDMA24364-B2-L                                                                                                             |
| Degree of protection                              | IP65                                                                                                                       |
| Ambient temperature                               | -20 °C ... 60 °C                                                                                                           |
| Product weight                                    | 95 g                                                                                                                       |
| Electrical connection                             | Type A<br>To DIN EN 175301-803                                                                                             |
| Type of mounting                                  | Via knurled nut                                                                                                            |
| Note on materials                                 | RoHS-compliant                                                                                                             |
| Material housing                                  | Polymer<br>Steel                                                                                                           |
| Material electrical contact                       | Brass                                                                                                                      |
| Material winding                                  | Copper                                                                                                                     |