



## TECHNICAL DATA

## RELEASE SOLENOID

The Viking Corporation | 210 N Industrial Park Drive | Hastings MI 49058

Viking Special Hazards | Technical Services: 877-384-5464 | Email: techsvcs@vikingcorp.com | www.vikinggroupinc.com

The technical data described herein is for components of the Viking Oxexo PR Fire Extinguishing Systems.

Visit the Viking website for the latest edition of the technical data and system manuals.

### 1. DESCRIPTION / FUNCTION

The release solenoid is used for the electrical actuation of a type QRV quick release valve. The solenoid is only suitable for usage inside buildings. By applying voltage to the solenoid, the force stored in a spring assembly is suddenly released. In this case, a plunger activates the pilot valve integrated into the quick release valve and vents the upper pressure chamber. This drop in pressure causes the extinguishing agent pressure to push the closing piston into an open position. This in turn causes the quick release valve to open.

The manual release device can also be fitted to the release solenoid as an additional means of release (sold separately). Only one extinguishing agent cylinder valve can be opened electrically by the application of the release device's nominal voltage. The release solenoid device is resettable using the reset tool (tool sold separately).

**NOTE: The electrical actuation signal must be present for at least 5 seconds.**

### 2. LISTINGS AND APPROVALS

cULus Listed - EX5248 (Oxexo PR CF)



FM Approved: Oxexo PR CF

### 3. TECHNICAL DATA

#### Specifications

Operating voltage: 19 - 28 V DC

Nominal voltage: 24 V DC

Nominal current: 0.5 A maximum

Duty cycle: 100% duty ratio

Diagnostic current: 20 mA

Tightening torque (valve): 18.44 ± 2.95 ft-lb (25 Nm ± 4)

Temperature range:

- per VdS and CE: -4 °F to 122 °F (-20 °C to 50 °C)
- for transport and storage: -4 °F to 149 °F (-20 °C to 65 °C)

Mounting thread: M20 x 1.5

#### Electrical connection

Connector plug: electrical connector 3 pole + ground (type GDME 3013) according to DIN EN 175301-803 Form A

Maximum cable cross section: 0.023 in<sup>2</sup> (1.5 mm<sup>2</sup>)

Electrical connection: PG13.5 with converter to 1/2" NPT

Insulation material class as per FDE: Class F

Protection class according to DIN 40050: IP65



Designation	Part no.	Weight
Release solenoid	914027D	2.40 lbs (1.09 kg)
Reset Tool	934652	0.77 lbs (0.35 kg)



**WARNING:** Cancer and Reproductive Harm-  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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**Marking (see Figure 1)**

Manufacturer date: YYYY/MM

Nominal voltage/nominal current: 24 VDC / 0.5 A

Torque: 25 Nm  $\pm$  2

Part number: See table on previous page

**Material Standards**

Enclosure: Brass / nickel-plated steel

Seals: NBR (Acrylonitrile butadiene rubber)

Permanent magnet: Nd-Fe-B (neodymium iron boron)

Additional parts: steel, stainless steel, brass, copper, plastic

**Terminal Assignment**

- Terminal 1: Positive
- Terminal 2: Negative



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Figure 1: Dimension Drawing  
Inches (mm)

