Solenoid coil
VACC-S13-11-K4-1-EX4A

Part number: 8109401



Data sheet

Feature	Value
Actuation type	Electrical
Mounting position	Any
Switching position indication	No
Duty cycle	100%
Required current consumption	16 mA
Insulation class	H
Max. input power Pi	1.2 W
Max. input voltage Vi	32 V
Max. input current Ii	0.2 A
Coil characteristics	14 - 32 V DC: 0.22 - 1.1 W
Effective internal capacitance Ci	Negligibly small
Effective internal inductance Li	Negligibly small
Permissible voltage fluctuations	-15% / +10%
CE marking (see declaration of conformity)	As per EU EMC directive as per EU explosion protection directive (ATEX) As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC acc. to UK EX instructions To UK RoHS instructions
Explosion protection certification outside the EU	EPL Db (GB) EPL Db (IEC-EX) EPL Gb (GB) EPL Gb (IEC-EX)
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (IEC-EX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (IEC-EX) Zone 21 (UKEX) Zone 22 (ATEX)
Certificate issuing authority	BVS 15 ATEX E 030 X IECEx BVS 15.0020 X German Technical Control Board (TÜV) 21 UKEX 7016 X
ATEX category gas	II 2G
ATEX category for dust	II 2D

Feature	Value
Type of ignition protection for gas	Ex ia IIC/IIB T5/T6 Gb
Type of (ignition) protection for dust	Ex ia IIIC T95°C/T80°C IP65 Db
Explosive ambient temperature	T5/T95°C: -30°C <= Ta <= +65°C T6/T80°C: -30°C <= Ta <= +50°C
LABS (PWIS) conformity	VDMA24364 Zone III
Degree of protection	IP65
Product weight	330 g
Electrical connection	Terminal box, cable entry thread M20x1.5
Note on materials	RoHS compliant