

Coil Type EVI 7 Ex INSTRUCTIONS

Amisco S.p.A. Via Piaggio 70 20037, Paderno Dugnano (MI) - Italy

Tel. +39 02.9900181 Fax +39 02.99001860 www.amisco.it

misco	Coil Type EVI 7 Ex	
	CTION AND MAINTENANCE res and risks, respect the following indications:	
	CONTROL DESCRIPTION	FREQUENCY
If the product is da	ty of the product surface. maged, deformed or has been corrupted by any zinal shape and aspect, substitute it.	Weekly
	wet clothes or antistatic products with power supply to prevent electrostatic charges.	Weekly
	ASSEMBLY CONDITIONS	
		2
	2 Connector 1 1 Coll EVI7-Ex	
	Position Designation Qua Y MS-11 Wouting scew 2 S Wolfer 2 4 Cable gard 2 3 Integrated "safe retaining" front gasket 2 2 Wolfer 2 1 Collegisted "safe retaining" front gasket 2 1 Collegisted "safe retaining" front gasket 2	

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Coil Type EVI 7 Ex

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II 3G and 3D

-10°C ≤Ta≤+50°C

www.amisco.it Via Piaggio, 70 - Paderno D. - Mi - Italy EVI 7 Ex

Protection "e", Level "ec" (increased safety) Enclosure "t", Level tc ±10% 100% ED

INSTRUCTIONS

Manufacturer Name Wahufact Web Site: Address: Type: Group: Group: 11 Gategory: 36 and 3D GAS AND COMBUSTIBLE DUST ATMOSPHERE EQUIPMENT Explosion protection for: - Gas Atmosphere Protection "e", Level "ee" (i - Combustible Dust Enclosure "t", Level te Voltage Tolerance: ±10%

Duty Cycle: Ambient Temperature:

ASSEMBLY CONDITIONS

- The connector must guarantee IP65 protection (complying to IEC 60529)
- The M3x31 screw must be tight with a maximum torque of 0.6 Nm. Assembling and commissioning must only be carried out by qualified and authorized persons.
- Install away from heat sources that can affect its thermal class
- Make sure that the assembly is done in clean conditions. INFORMATION FOR SAFE USE AND RESIDUAL RISKS

Before Installing and using product, read carefully the following notes: Respect of maintenance indications:

Respect of mannemance indications: It is requested to follow carefully the indications about maintenance reported in the paragraph "PERIODICAL INSPECTION AND MAINTENANCE", with particular reference about product cleaning. If it is not respected, it could cause an overheating, and an ignition source for explosion could be created.

Use not allowed of product:

Use not allowed of product: It is requested to use the product at ambient conditions indicated in general information, reported below: - Tmin and Tmax: -10°C and +50°C - Voltage tolerance ±10% of Nominal Voltage A use not in compliance with the conditions reported above could cause an ignition source. The devices are not resistant to exposure to direct sunlight or exposure to other sources of UV radiations for extended periods. If necessary, provide the use of suitable protective shield and proper measure to prevent their removal. Do not energize the coil if not correctly assembled with its own valve; incorrect assembly can increase power absorption and therefore generate abnormal overheating.

Product encapsulation deterioration, due to mechanical impact: Coil encapsulation in plastic material is a protection system from explosion. It is therefore required to install the product in a zone protected from mechanical impacts.

Product wrong connection or disconnection: In order to prevent the creation of electrical arcs, it is necessary to connect and disconnect the product when power supply off and when explosive atmosphere is not present.

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	designed ve 2014/.	34/EU) to be used in	espond on requirements of Group II and Category 3 (as defined the following zones, in compliance to Directive 99/92/EC):
(Dir. 99/9		Category (Dir. 2014/34/EU)	Description
2		3G	Equipment in category 3 is intended for use in areas in which explosive atmospheres caused by gases, vapors, mists, or air/dust mixtures are unlikely to occur or, if they do occur, are likely to
22		3D	do so only infrequently and for a short period only. Equipment in this category ensures the requisite level of protection during normal operation.
Where:			II 3D Ex te IIIC Tx°C De
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<u>(</u> ξχ) Π:	Group	fic marking of explos o II - Electrical appar	ion protection atus for places with a potentially explosive atmosphere, other than mp
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<u>ξx</u> Π: 3: G:	Group mines Categ Explo	fic marking of explos o II - Electrical appar susceptible to fireda ory 3 - see the board sive gas atmosphere sive atmosphere in th	ion protection atus for places with a potentially explosive atmosphere, other than mp above s e presence of combustible dust
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	Group mines Categ Explo Explo The sy report Type	fic marking of explose susceptible to fireda ory 3 - see the board sive gas atmosphere sive atmosphere in the mbol Ex indicates the din EN 60079 - 0 of protection for expl	tion protection atus for places with a potentially explosive atmosphere, other than mp above s the presence of combustible dust the electrical apparatus corresponds to one of the protection type
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Equipment protection level [EPL] for explosive dust atmospheres

Paderno Dugnano, December 11, 2022

Authorized Person Ing. Emanuele Maur

Suamole Maria

Equipment protection level [EPL] for explosive gas atmospheres

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Dc:

REV 04/22

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EU DECLARATION OF CONFORMITY

We declare under our sole responsibility that the product:

Coil type: EVI 7 Ex II 3G Ex ec IIC Tx Gc II 3D Ex tc IIIC Tx°C Dc

Nominal voltage: up to 240V Nominal Power: up to 6.5W [DC] or 8.5VA [AC] Ambient temperature: -10°C ÷ +50°C Tolerance range on nominal values: ± 10%

Type of connection and other information are available on Amisco catalogue or on request.

Is in conformity with the following directives: • 2014/34/EU [ATEX] • 2011/65/EU [RoHS]

With reference (if applicable) to the following harmonized standards:

- EN 1127-1 [2019]
- EN 60204-1+EC [2018]
- VDE 0580
- EN IEC 60664-1 [2020]
- EN IEC 60079-0 [2018]
- EN 60079-7 [2015]
- EN 60079-31 [2014]

Guarmale flours'

[2011]

Ing. Emanuele Mauri Authorized person Paderno Dugnano, December 11, 2022

The data supplied in Amisco Catalogues are to be consulted, and pertinent accident prevention regulations have to be followed during product installation and use. Any unauthorized work performed by purchaser or by third parties can impair its functions, and relieves Amisco of all warranty claims and liability for any resulting damage.