

Electrical Equipment for Explosive Atmospheres Certificate of Type Verification

Applicant	TopWorx Inc.																				
Applicant address	3300 Fern Valley Road Louisville, Kentucky 40213 United States of America	TEL	+1-502-969-8000																		
Manufacturer	1. TopWorx Inc. 2. Emerson Machinery Equipment (Shenzhen) Co. Ltd. 3. Emerson Automation Fluid Control & Pneumatics Poland Sp. z o.o. (Emerson AFCP Poland Sp. z o.o.)																				
Manufacturer address	1. 3300 Fern Valley Road Louisville, Kentucky 40213 United States of America 2. 101 Building 2, COFCO Park, Honglang North 2nd Road, Xin'an Street Bao'an District, Shenzhen 51801 China 3. Kurczaki 132 Lodz 93-331 Poland	TEL																			
Name of product Type	Valvetop Switchbox D2-FF series																				
Ex marking	Ex nA nC IIC T6 Gc Ex tc IIC T80 C Dc																				
Certificate No.	(ITRI)2021 07-00218X																				
Date of first issue	November 12, 2021																				
Date of Renewal																					
Valid period	November 12, 2021 to November 12, 2022																				
Standards:	IEC 60079-0 : 2007 IEC 60079-15 : 2010 IEC 60079-31 : 2008																				
Ratings:	Max. 32 Vdc, IP67																				
Ambient temperature:	-20 C ~ +50 C																				
Main components:	Lower casting, upper casting, shaft, Fieldbus control unit, piezo pilot valve, limit switch, O-ring, indicator.																				
Type variants:	<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <td>(1)</td> <td></td> <td></td> <td></td> <td>(2)</td> <td>(3)</td> <td>(4)</td> <td>(5)</td> <td>(6)</td> </tr> <tr> <td>DXP</td> <td>F</td> <td>L</td> <td>2</td> <td>*</td> <td>*</td> <td>*</td> <td>*</td> <td>0</td> </tr> </table> <p>(1) Enclosure: DXP : coated aluminum ; DXS : stainless steel ; DXR : glass fiber reinforced resin (6) Piezo pilot valve : 0/blank : not fitted ; P : 6 V fail O/C ; R : 6 V fail L/P Column (2), (3), (4), (5) are not related to Ex protection.</p>			(1)				(2)	(3)	(4)	(5)	(6)	DXP	F	L	2	*	*	*	*	0
(1)				(2)	(3)	(4)	(5)	(6)													
DXP	F	L	2	*	*	*	*	0													

Certificate issued by

Industrial Technology Research Institute
195 Sec. 4, Chung Hsing Rd., Chung Hsing, Hsinchu, 310401, Taiwan



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Certificate No.: (ITRI)2021.07-00218X

Applicant	TopWorx Inc.
Specific conditions of use:	<p>When fitted, only non-combustible fluids may be used in the pneumatic circuit. The equipment shall only be installed in a location where there is a low risk of mechanical damage. The enclosure constitutes a potential electrostatic risk and must only be cleaned with a damp cloth. Cable glands or blanking plugs for enclosure entries are not provided with the equipment. For safe use, certified cable glands or blanking plugs with proper type of protections shall be correctly fitted to maintain the integrity of specified protections.</p>
Routine tests:	The dielectric strength test (600 V for 100 ms) according to Clause 23.2 of IEC 60079-15 must be performed on this equipment.
Approval reference:	The assessment of the above equipment is based on the review of IECEx Certificate of Conformity (IECEx BAS 11.0023X Issue 3) issued by SGS BASEEFA Ltd (SGS BASEEFA), UK and the associate test report (GB/BAS/ExTR11.0279/00).
Certificate history:	Issue 1 (B202100337) (2021-11-12)

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