

# Electrical Equipment for Explosive Atmospheres

## Certificate of Type Verification

<b>Applicant</b>	TopWorx Inc.		
<b>Applicant address</b>	3300 Fern Valley Road Louisville, Kentucky 40213 United States of America	TEL	+1-502-969-8000
<b>Manufacturer</b>	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.)		
<b>Manufacturer address</b>	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	
<b>Name of product Type</b>	Switchboxes D2 HART7 PST ESD		
<b>Ex marking</b>	Ex db IIC T6...T4 Gb Ex db IIB+H <sub>2</sub> T6...T4 Gb Ex tb IIIC T85°C...T135°C Db Ex tc IIIC T135°C Dc Ex nA nC IIC T4 Gc		
<b>Certificate No.</b>	(ITRI)2022 07-00008X		
<b>Date of first issue</b>	January 07, 2022		
<b>Date of Renewal</b>			
<b>Valid period</b>	January 07, 2022 to January 06, 2025		
<b>Standards:</b>	IEC 60079-0 : 2017 IEC 60079-1 : 2014 IEC 60079-15 : 2010 IEC 60079-31 : 2013		
<b>Ratings:</b>	Input to HART module : 24 Vdc max, 20 mA max Input from External Pilots : 30 W max or 28 W max(28 W max when rated Ex nA nC) Input to switches : 24 Vdc max, 250 mA max		
<b>Ambient temperature:</b>	-40°C ~ +60°C (T6/ T85°C) -40°C ~ +80°C (T4/ T135°C)		
<b>Main components:</b>	DXP/DXS Casing, Main Board, GO-Switch Board, Terminal Board, O-ring.		
<b>Type variants:</b>	Refer to Annex.		
<b>Specific conditions of use:</b>	The dimensions of the flameproof joint of the equipment enclosure are different from the values specified in IEC 60079-1. Repair of the flameproof joint shall be carried out by the manufacturer.		

Certificate issued by

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



