Electrical Equipment for Explosive Atmospheres

Certificate of Type Verification

Applicant	Wan Jiun Technology Co., Ltd.		
Applicant address	11F., No.896, Jingguo Rd. Luzhu Dist., Taoyuan City 338018 Taiwan	TEL	+886-3-3161585
Manufacturer	R. STAHL Schaltgeräte GmbH		
Manufacturer address	Am Bahnhof 30 74638 Waldenburg Germany	TEL	+49(0)7942/ 943-4162
Name of product **Type**	Control and distribution panel 8146/5 series		
Ex marking	Ex db eb ia [ia Ga] ib [ib] mb q IIC T6, T5, T4, T3 Gb Ex [ia Da] [ib] tb IIIC T80˚C, T95˚C, T130˚C, T135˚C Db		
Certificate No.	(ITRI)2012 07-00089X		
Date of first issue	May 05, 2012		
Date of Renewal	May 10, 2021		
Valid period	May 05, 2021 to May 04, 2024		

Standards: IEC 60079-0 : 2017 ; IEC 60079-1 : 2014 ; IEC 60079-5 : 2015 ;
IEC 60079-7 : 2017 ; IEC 60079-11 : 2011 ; IEC 60079-18 : 2017 ;
IEC 60079-31 : 2013.

Ratings: Maximum rating voltage : 1100 V AC/DC ; Maximum rating current : 630 A ; IP66.

Ambient temperature: -60˚C～+100˚C (Gasket 1)
-20˚C～+60˚C (Gasket 2)

Main components: Enclosure, gasket, push button (8082),indicator lamp (8010), control switch (8008/2), voltmeter (8404/2), ammeter (8402/5, 8403/2, 8403/6, 8405/2, 8405/6), control unit (8208), circuit breaker (8562/5).

Type variants:

Type	8146/5ab-c
a	Enclosure length × width [mm] 00 = combination 03 = 112.5 × 112.5 04 = 170.0 × 112.5 24 = 227.0 × 112.5 05 = 170.0 × 170.0 06 = 227.0 × 170.0 07 = 340.5 × 170.0 B7 = 340.5 × 170.0 S7 = 340.5 × 170.0 08 = 340.5 × 340.5 09 = 681.5 × 340.5

INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE 財團法人 工業技術研究院 REPUBLIC OF CHINA

Certificate issued by

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

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Applicant	Wan Jiun Technology Co., Ltd.

Type	8146/5ab-c
b	Enclosure height [mm] 0 = combination 1 = 91 (enclosure height 76 mm, cover height 15 mm) 2 = 131 (enclosure height 76 mm, cover height 55 mm) 3 = 150 (enclosure height 135 mm, cover height 15 mm) 4 = 171 (enclosure height 76 mm, cover height 95 mm) 5 = 190 (enclosure height 135 mm, cover height 55 mm) 6 = 230 (enclosure height 135 mm, cover height 95 mm) 7 = 104 (enclosure height 76 mm, cover height 28 mm)
c	Further information without relevance to explosion protection

Type	8146/a
a	Design 5-V11 = load and motor switches 5-V27 = motor protection circuit breaker 5-V37 = safety switches

Specific conditions of use: The assessment for cable entry devices is not included. For safe use, certified cable entry devices with proper type of protections shall be correctly fitted to maintain the integrity of specified protections.
The control and distribution panel with a coating of polyester powder must not be used in areas affected by charge-producing processes, mechanical friction and separation processes, electron emission (e.g. in the vicinity of electrostatic coating equipment), and pneumatically conveyed dust.

Approval reference: The assessment of the above equipment is based on the review of IECEx Certificate of Conformity (IECEx PTB 06.0090 Issue No: 4) issued by Physikalisch-Technische Bundesanstalt (PTB), Germany and the associate test reports (DE/PTB/ExTR06.0106/03).

Certificate history:

Issue 1 (B655RU1100-49)	(101-05-05)
Issue 2 (A201500443)	(104-10-19)
Issue 3 (A1050009)	(105-08-15)
Issue 4 (B201800110)	(107-04-26)
Issue 5 (A1070093)	(108-06-20)
Issue 6 (B202100141)	(110-05-10)
Issue 7 (A1110082)	(112-03-16)

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