

TEST CERTIFICATE

Project No. : 4788867109.1

Issue date: April 1, 2019

This certificate consists of 1 page



This certificate has been prepared for

CAE Engineering Pte. Ltd.,

Office: 26 Boon Lay Way, #01-88 TRADEHUB 21, Singapore 609970

Factory: No 2 Woodlands, Sector 1, #01-04 Woodlands Spectrum 1, Singapore 738068

with name and /or type designation(s)

Electric Fire Pump Controllers

has, on a voluntary basis, requested that the product(s) be assessed in accordance with Section 8.2 of AS 2941-2013 (5th Edition), dated 18 November 2013.

Informative Test Report by: UL LLC

Address: 333 Pfingsten Road, Northbrook, IL 60089 USA

Date: April 1, 2019

Test Certificate History

Revision	Description	Date	Informative Test Report Number
0.0	Original ITR Test Certificate	April 1, 2019	Project 4788867109.1.2

Products Covered by this Informative Test Report and Test Certificate

Product Type and Models
Electric Fire Pump Controllers with 30KW,37KW, 45KW, 55KW, 75KW, 90KW, 110KW, 132KW, 160KW, 220KW, 250KW, or 355KW VSD Starters

Product Data:

Type	Electric Fire Pump Controllers
Operating Temperature	+ 4 °C to + 40 °C
Electrical Ratings (Line)	415 VAC, 3 Phase, 50 Hz
IP Ratings	IP 55

Technical Documents

Number	Title	Rev	Date
30KW VSD FPC VER-02	Technical & General Arrangement Drawings for 30KW Electric Fire Pump Control Panel (8 Sheets)	VER-02	26.03.2019
37KW VSD FPC VER-02	Technical & General Arrangement Drawings for 37KW Electric Fire Pump Control Panel (8 Sheets)	VER-02	26.03.2019
45KW VSD FPC VER-02	Technical & General Arrangement Drawings for 45KW Electric Fire Pump Control Panel (8 Sheets)	VER-02	26.03.2019
55KW VSD FPC VER-02	Technical & General Arrangement Drawings for 55KW Electric Fire Pump Control Panel (8 Sheets)	VER-02	26.03.2019
75KW VSD FPC VER-02	Technical & General Arrangement Drawings for 75KW Electric Fire Pump Control Panel (8 Sheets)	VER-02	26.03.2019
90KW VSD FPC VER-02	Technical & General Arrangement Drawings for 90KW Electric Fire Pump Control Panel (8 Sheets)	VER-02	26.03.2019
110KW VSD FPC VER-02	Technical & General Arrangement Drawings for 110KW Electric Fire Pump Control Panel (8 Sheets)	VER-02	26.03.2019
132KW VSD FPC VER-01	Technical & General Arrangement Drawings for 132KW Electric Fire Pump Control Panel (8 Sheets)	VER-01	26.03.2019
160KW VSD FPC VER-01	Technical & General Arrangement Drawings for 160KW Electric Fire Pump Control Panel (8 Sheets)	VER-01	26.03.2019
220KW VSD FPC VER-01	Technical & General Arrangement Drawings for 220KW Electric Fire Pump Control Panel (9 Sheets)	VER-01	26.03.2019
250KW VSD FPC VER-01	Technical & General Arrangement Drawings for 250KW Electric Fire Pump Control Panel (9 Sheets)	VER-01	26.03.2019
355KW VSD FPC VER-01	Technical & General Arrangement Drawings for 355KW Electric Fire Pump Control Panel (9 Sheets)	VER-01	26.03.2019

Terms and Conditions

This certificate is part of a full Informative Test Report and should be read in conjunction with it.

The following may render this certificate invalid:

- * Changes in the design and/or construction of the product(s)
- * Changes concerned with the IP55 related design of the product(s)
- * Revisions to and/or new edition of the AS 2941 standard

Prepared by:

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