



# IECEX Certificate of Conformity

## INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification Scheme for Explosive Atmospheres

for rules and details of the IECEx Scheme visit [www.iecex.com](http://www.iecex.com)

Certificate No.: IECEx SIM 11.0001X

Issue No: 1

Certificate history:

Issue No. 1 (2017-09-12)

Issue No. 0 (2011-02-23)

Status: **Current**

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Date of Issue: **2017-09-12**

Applicant: **Triflex Manufacturing Pty Ltd**  
Warehouse 29  
2-4 Picrite Close  
PEMULWUY NSW 2145  
**Australia**

Equipment: **Nicote FLPW—B Series Cable Glands**

*Optional accessory:*

Type of Protection: **Flameproof "d", Dust Protection by Enclosure "tD"**

Marking:

Ex d I/IIC Ex tD A21 IP66/68  
IECEX SIM 11.0001X

*Approved for issue on behalf of the IECEx  
Certification Body:*

Geoffrey Barnier

*Position:*

Principal Engineer - Certification

*Signature:  
(for printed version)*

*Date:*

  
12 September 2017

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting the [Official IECEx Website](http://www.iecex.com).

Certificate issued by:

**Safety in Mines Testing and Research Station (Simtars)**  
2 Robert Smith Street  
REDBANK QLD 4301  
Australia

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Manufacturer: **Triflex Manufacturing Pty Ltd**  
Warehouse 29  
2-4 Picrite Close  
PEMULWUY NSW 2145  
**Australia**

Additional Manufacturing location(s):

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements. This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended.

## STANDARDS:

The electrical apparatus and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards:

<b>IEC 60079-0 : 2000</b> Edition:3.1	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements
<b>IEC 60079-1 : 2003</b> Edition:5	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"
<b>IEC 61241-0 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 0: General requirements
<b>IEC 61241-1 : 2004</b> Edition:1	Electrical apparatus for use in the presence of combustible dust - Part 1: Protection by enclosures "tD"

*This Certificate **does not** indicate compliance with electrical safety and performance requirements other than those expressly included in the Standards listed above.*

## TEST & ASSESSMENT REPORTS:

*A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in*

Test Report:

[AU/SIM/ExTR11.0001/00](#)

Quality Assessment Report:

[AU/TSA/QAR10.0001/06](#)



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## Schedule

### EQUIPMENT:

*Equipment and systems covered by this certificate are as follows:*

The Nicote FLPW--B Series Cable Glands, refer Annex, are intended for use with armoured cables. The gland body is of cast or machined (brass or gunmetal). Denso epoxy putty is used as the compound filler. Each gland has an O-ring fitted to the body and a fibre washer on the entry thread to maintain degree of protection rating of IP66/68 (40 m).

### SPECIFIC CONDITIONS OF USE: YES as shown below:

The certificate number includes an X to indicate that apparatus is designed for use in an ambient temperature range of -20 °C to +80 °C.



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**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above):**

Issue 1:

- Change manufacturing location



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**Additional information:**

The female mating thread provided on the separately certified flameproof equipment, to which the glands are to be fitted, must have a class of fit of 6H to ISO 965 and a minimum length of thread engagement of 8 mm.

Suitable heat-resistant cables, with an appropriate continuous operating temperature shall be used in applications where the cable entry point temperature may exceed 70 °C.

In order to prevent the ratings of the sealing ring and setting compound being exceeded, the temperature of the cable glands shall not exceed 80 °C.

The IPX8 test was carried out at a simulated depth of 40 m for the duration of 1 hour.

**Annex:**

[IECEX SIM 11.0001X-1 Annex.pdf](#)



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Certificate No.: **IECEX SIM 11.0001X**  
**Annex**

Issue No.: 1  
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## Manufacturer's documents:

### Drawings associated with Issue 0:

Drawing No	Subject	Rev.	Date
IS26 (5 Pages)	Nicote <sup>†</sup> FLPW--B Cable Gland Range	C	07/02/2011
FLPW 203B – 405B	FLPW BARRIER CABLE GLANDS	G	08.11.05
FLPW 503B – 755B	FLPW BARRIER CABLE GLANDS	K	08.11.05
FLPW 203B – 755B	FLPW BARRIER CABLE GLANDS MARKING DETAILS	F	23.12.10
FLPW 66	NUT	G	23.12.10
FLPW 75	NUT	F	23.12.10
FLPW 90	NUT	E	20.06.07
FLPW 94	NUT	E	20.06.07
FLPW 104	NUT	D	20.06.07
FLPW 109	NUT	D	20.06.07
FLPW 119	CLAMP	E	20.06.07
FLPW 121	NUT	C	20.06.07
FLPW 122	SLEEVE	H	23.02.09
FLPW 128	CLAMP	E	20.06.07
FLPW 130	NUT	C	20.06.07
FLPW 131	SLEEVE	E	23.02.09
FLPW 144	CLAMP	E	20.06.07
FLPW 146	NUT	C	20.06.07
FLPW 147	SLEEVE	F	23.02.09

(Drawing list continued next page)

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Drawing No	Subject	Rev.	Date
FLPW 160	CLAMP	E	20.06.07
FLPW 162	NUT	C	20.06.07
FLPW 163	SLEEVE	I	23.02.09
FLPW 178	CLAMP	D	20.06.07
FLPW 180	NUT	C	20.06.07
FLPW 181	SLEEVE	H	23.02.09
FLPW 249	BODY SLEEVE	C	30.11.04
FLPW 250	CONE	A	20.06.07
FLPW 252	BODY SLEEVE	C	30.11.04
FLPW 257	CONE	B	20.06.07
FLPW 259	BODY SLEEVE	C	30.11.04
FLPW 260	CONE	A	20.06.07
FLPW 262	BODY SLEEVE	C	30.11.04
FLPW 263	CONE	B	20.06.07
FLPW 265	BODY SLEEVE	C	30.11.04
FLPW 266	CONE	B	20.06.07
FLPW 272	BODY SLEEVE	C	30.11.04
FLPW 273	CONE	B	20.06.07
FLPW 275	BODY SLEEVE	C	30.11.04
FLPW 276	CONE	B	10.07.07
FLPW 278	BODY SLEEVE	C	30.11.04

(Drawing list continued next page)

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Drawing No	Subject	Rev.	Date
FLPW 279	CONE	B	20.06.07
FLPW 281	BODY SLEEVE	C	30.11.04
FLPW 282	CONE	B	20.06.07
FLPW 284	BODY SLEEVE	C	30.11.04
FLPW 285	CONE	C	20.06.07
FLPW 287	BODY SLEEVE	C	30.11.04
FLPW 288	CONE	C	20.06.07
FLPW 295	SLEEVE	E	23.12.10
flpw296	CLAMP	B	17 June 2010
FLPW 297	SLEEVE	E	23.12.10
flpw298	CLAMP	B	17 June 2010
FLPW 299	SLEEVE	D	20.06.07
FLPW 300	CLAMP	B	20.06.07
FLPW 302	CLAMP	A	20.06.07
FLPW 303	SLEEVE	E	20.06.07
FLPW304	CLAMP	C	5/12/2007
FLPW 306	CLAMP	B	20.06.07
FLPW 373	O-RING (BS020 TO BS1806)	-	20.10.04
FLPW 374	O-RING (BS028 TO BS1806)	-	20.10.04
FLPW 375	O-RING (BS130 TO BS1806)	-	20.10.04
FLPW 376	O-RING (BS228 TO BS1806)	-	20.10.04

(Drawing list continued next page)

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Drawing No	Subject	Rev.	Date
FLPW 377	O-RING (BS233 TO BS1806)	-	20.10.04
FLPW 378	O-RING (BS236 TO BS1806)	-	20.10.04
FLPW379	BODY	C	24/04/08
FLPW380	BODY	C	24/04/08
FLPW381	BODY	A	18-06-07
FLPW382	BODY	A	18-06-07
FLPW383	BODY	A	18-06-07
FLPW384	BODY	B	18-06-07
FLPW 385	BODY	B	23-12-10
FLPW386	BODY	A	18-06-07
FLPW387	BODY	B	18-06-07
FLPW388	BODY	B	23-12-10
FLPW389	BODY	B	23-12-10
FLPW SEALS	FLPW SEAL DETAILS (FROM FLPW162 THROUGH FLPW405)	L	28.06.07
MX 982	O-RING (BS017 TO BS1806)	-	09.10.03
MX 983	O-RING (BS023 TO BS1806)	-	20.04.04
UB 55	MOUNTING THREAD FIBRE WASHERS FOR I.P.INSTALLATIONS	E	25.07.07
WG SEALS	WG SEAL DETAILS	H	02.07.07

**Drawings associated with Issue 1:**  
**Nil**

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**Table 1: Nicote FLPW---B Series cable glands**

Gland	Thread Size	Overall Cable Diameter Range (mm)
FLPW203B	M20	12.50 – 15.50 mm
FLPW206B	M20	15.00 – 20.00 mm
FLPW256B	M25	19.50 – 26.00 mm
FLPW326B	M32	25.50 – 34.00 mm
FLPW405B	M40	33.50 – 41.50 mm
FLPW503B	M50	41.00 – 49.00 mm
FLPW505B	M50	48.50 – 55.50 mm
FLPW635B	M63	55.00 – 63.50 mm
FLPW636B	M63	63.00 – 68.00 mm
FLPW754B	M75	67.50 – 76.00 mm
FLPW755B	M75	75.50 – 79.40 mm

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