

IECEx Certificate of Conformity

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INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com Ex COMPONENT CERTIFICATE							
Certificate No.:	IECEx TRC 14.0015U	Page 1 of 4	Certificate history:				
Status:	Current	Issue No: 1	Issue 0 (2014-11-20)				
Date of Issue:	2021-01-26						
Applicant:	Minco Products 7300 Commerce Lane Minneapolis Minnesota 55432 United States of America						
Ex Component:	Leadwire and Cable Seal Fittings, FG4015 series (complete assemblies); FG4014 series (fitting body and cap) to be assembled with AC4015 series grommets.						
	NOT intended to be used alone and requires ac atmospheres (refer to IEC 60079-0).	lditional consideration when incorporated into	o other equipment or systems				
Type of Protection:	Flameproof, Increased Safety						
Marking:	Ex db eb IIC Gb IP66						
Certification Body: Position: Signature:	on behalf of the IECEx	Stephen Winsor Certification Manager					
(for printed version))						
 This certificate is n The Status and au 	I schedule may only be reproduced in full. ot transferable and remains the property of the issuing bo thenticity of this certificate may be verified by visiting www						
Certificate issue	-		olomonť				
Element Mater	ials Technology		alamont				

Element Materials Technology Unit 1 Pendle Place Skelmersdale West Lancashire





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Certificate No.:	IECEx TRC 14.0015U	Page 2 of 4
Date of issue:	2021-01-26	Issue No: 1
Manufacturer:	Minco Products 7300 Commerce Lane Minneapolis Minnesota 55432 United States of America	
Additional manufacturing locations:	Minco SAS Zone Industrielle 09310, Aston France	
IEC Standard list be found to comply with	low and that the manufacturer's quality syster	tative of production, was assessed and tested and found to comply with the n, relating to the Ex products covered by this certificate, was assessed and certificate is granted subject to the conditions as set out in IECEx Scheme
STANDARDS : The equipment and a to comply with the fo		schedule of this certificate and the identified documents, was found
IEC 60079-0:2011 Edition:6.0	Explosive atmospheres - Part 0: General re	quirements
IEC 60079-1:2007-0	4 Explosive atmospheres - Part 1: Equipmen	protection by flameproof enclosures "d"

Edition:6

IEC 60079-7:2006-07 Explosive atmospheres - Part 7: Equipment protection by increased safety "e" Edition:4

This Certificate **does not** indicate compliance with 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 Reports:

GB/TRC/ExTR14.0017/00

GB/TRC/ExTR14.0017/01

Quality Assessment Reports:

FR/LCIE/QAR12.0001/10

NL/DEK/QAR12.0028/07



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Issue No: 1

Ex Component(s) covered by this certificate is described below:

The FG4015 series of fittings are cable transit type devices which are also known as Leadwire and Cable Seal Fittings. They are designed for use in applications which require one or several conductors or cables to pass through a bulkhead within a small area. The fittings are rated for pressure applications with a maximum of 50 PSIG. The seal fittings are offered with 1/2 or 3/4 NPT thread types on the 'process thread'. The fittings are directional and the process thread must be employed for mounting the fittings in their respective housings. Additionally the fittings are offered with 1, 2, 3 or 4 hole grommets, which can accommodate a variety wire diameters ranging from 0.05 to 0.22 inches (1.27 to 5.588mm).

The sealing grommets are offered in 2 different configurations - non split and split. They are also available in 2 material types for different temperature applications. The neoprene grommets are rated for use in -40°C to +75°C applications and are only available as 'non-split' solid type grommets. The fluoroelastomer grommets are rated for use in -40°C to +90°C applications and are available as both solid and split types.

The seal fitting can be ordered as FG4015 series, which are complete assemblies, comprised of an FG4014 series fitting body and an AC4015 series grommet. Alternatively FG4014 fittings can be ordered separately with AC4015 series grommets. The FG4014 fittings must only be used in conjunction with AC4015 (non split) or AC4015S (split) series of grommets.

The fitting bodies are available in either Type 303 Stainless Steel or Type 316 Stainless Steel. The cap fittings, which screw into the body and compress the grommet via a compression plug, can be supplied with 1/2 or 3/4 NPT external or internal threads for external connections or with no threaded section. The approximate length of the fittings range from 100mm to 130mm. The Leadwire and Cable Seal Fittings are rated for a maximum of 30VDC @ 30mA.

Product part number breakdown is described in the Annex.

SCHEDULE OF LIMITATIONS:

- 1. The Model FG4014 Leadwire & Cable Seal Fitting must be used in conjunction with AC4015 or AC4015S series grommets.
- 2. The neoprene grommet material shall not be subjected to service temperatures of less than -40°C or in excess of +75°C.
- The fluoroelastomer grommet material shall not be subjected to service temperatures of less than -40°C or in excess of +90°C.
 The seal fittings are offered with 1/2 or 3/4 NPT thread types on the 'process thread'. The fittings are directional and the process thread must be employed for mounting the fittings in their respective housings.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above) Drawing updates including change to marking format to 'eb' 'db'.

2021-01-26

Annex:

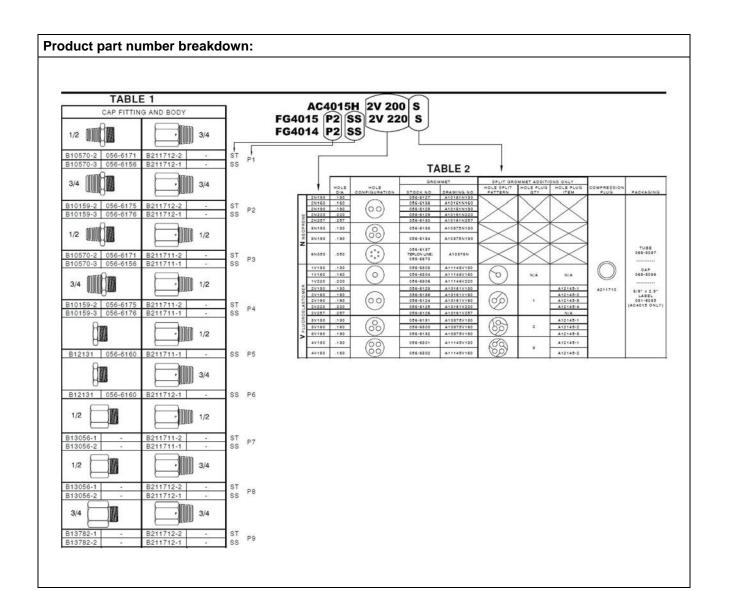
Date of issue:

Annex to IECEx TRC 14.0015U iss 1_1.pdf



Annex to IECEx Certificate of Conformity

IECEx TRC 14.0015U issue No.: 1





Annex to IECEx Certificate of Conformity IECEx TRC 14.0015U issue No.: 1

HOLE DIA HOLE CONFIGURATION STOCK NO. OS6-6127 DRAWING NO. A10161N130 HOLE PLUT PATTERN HOLE PLUG OTY HOLE PLUG ITEM HOLE PLUG OTY HOLE PLUG ITEM COMPRESS PLUG 2N160 1.160 0 056-6127 A10161N130 <	PACKAGING
2N130 .130 2N160 .160 2N160 .160 2N20 .220 2N220 .220 2N257 .257 3N130 .130 3N190 .190 3N130 .130 056-6133 A10375N130 056-6134 A10375N190 056-6137 TEFLON LINE: 056-66137 056-6303 A11146V130 056-6303 A11146V130 056-6304 A11146V120 N/A N/A	
Stress 3N130 .130 O <	1
6N050 .050 0 % 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
1V160 .160 0 056-6304 A11146V160 0 N/A N/A 1V220 .220 0 056-6306 A11146V220 0 N/A N/A	TUBE 068-3097
	CAP 068-3098
E 2V130 .130 056-6123 A10161V130 A12145-1 A12145-1 A211710 2V160 .160 056-6124 A10161V190 056-6125 A10161V20 1 A12145-3 A211710 2V220 .220 056-6126 A10161V20 056-6126 A10161V20 A12145-4 A12145-4 2V257 .257 056-6126 A10161V2057 N/A N/A	3/8" x 2.8" LABEL 031-8035 (AC4015 ONL)
3V130 .130 0 056-6131 A10375V130 0 2 A12145-1 3V160 .160 .056-6300 A10375V160 .056-6300 A10375V160 .12145-2 3V190 .190 .190 .056-6312 .410375V160 .412145-2	
01100 1100 0100 0111100 0111100 4V130 .130 00 056-6301 A11145V130 00 3 A12145-1 4V160 .160 056-6302 A11145V160 00 3 A12145-2	



Annex to IECEx Certificate of Conformity

IECEx TRC 14.0015U issue No.: 1

Manufacturer's Documents						
Title:	Drawing No.:	Rev. Level:	Date:			
Pressure seal fitting FG4015 series ATEX/IECEx/TR CU Ex db eb certified	FG4015	В	2017-04-19			
Grommet Accessory Kit for Pressure Seal Fitting AC4015 Series	AC4015	В	2017-04-19			
Pressure Seal Fitting FG4014 Series	FG4014	В	2017-04-19			
Body Pressure Seal Fitting 1/2 – 1/4 NPT	B211711	С	2020-07-27			
Pressure Seal Fitting Final Assembly Models FG4014, FG4015 and AC4015 (2 pages)	B211713	F	2020-09-09			
Cap Fitting Pressure Seal No Connection Thread	B12131	С	2016-05-10			
Cap Fitting Pressure Seal	B13056	E	2020-07-27			
Cap Fitting Pressure Seal	B13782	E	2020-07-27			
Cap Fitting Pressure Seal 1/2 -14 NPT	B10570	G	2020-07-27			
Cap Fitting Pressure Seal 1/2 -14 NPT	B10159	Н	2020-07-27			
Body Pressure Seal Fitting 3/4 - 14 NPT	B211712	С	2020-07-27			
Installation & Operation Instructions (6 pages)	SPI 00-0801	E	2020			

* Denotes information not provided by manufacturer



Attention is drawn to the operating and installation instructions which may contain useful information in relation to conditions of use.