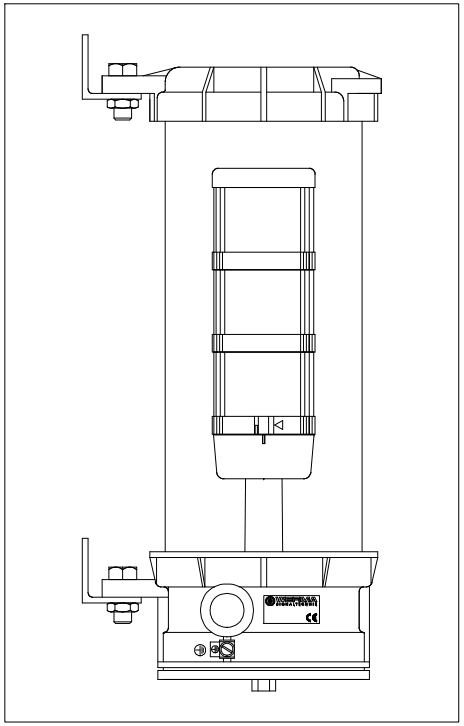
Betriebsanleitung
Ex-Warnleuchtsäule
Typ 740

CE





310.740.001.0912

WERMA SIGNALTECHNIK
WERMA Signaltechnik GmbH+Co. KG
D-78604 Rietheim-Weilheim
Tel.: 0 74 24 / 95 57-0
Fax: 0 74 24 / 95 57-44
www.werma.de
info@werma.de

Funktion

Die Warnleuchtsäule leuchtet permanent während des Betriebs.
Das Gerät besteht aus einer Signalsäule von WERMA Signaltechnik GmbH + Co., die in ein Fld 335 Gehäuse eingebaut und zum Gebrauch in Gefahrenzonen (explosionsgeschützte Kapselung)bestimmt ist. Im Gehäuse dürfen nur Dauerlichtelemente des Typs Nr. 840.X00.00 sowie LED Dauerlichtelemente des Typs Nr. 843.X00.55 verwendet werden.

Sicherheitshinweise

- Falls die Installations- und Sicherheitshinweise nicht beachtet werden, ist der Explosionsschutz nicht gewährleistet. Das Gerät kann dadurch für den Bediener lebensgefährlich werden und eine explosive Umgebung entzünden.
- Wenn durch einen Ausfall oder Fehler des Signalgeräts eine Gefährdung von Menschen oder Beschädigung von Betriebseinrichtungen möglich ist, muß dies durch zusätzliche Sicherheitsmaßnahmen oder regelmäßige Kontrolle verhindert werden.
- Das Gehäuse darf nicht beschädigt sein.
- Reparatur und Wartung dürfen nur von qualifizierten Elektrofachkräften durchgeführt werden, welche eingewiesen und autorisiert sind, Arbeiten in explosiver Umgebung auszuführen.
- Die Montageanweisungen sowie die einschlägigen Vorschriften der EN 60079-0, EN 60079-1 und der EN 60079-31 für Anschluss, Schutzleiter und Potentialausgleich müssen beachtet werden. Die interne Erd-Klemme muß mit dem Schutzleiter, die externe Klemme mit dem Potentialausgleich verbunden werden, siehe Bild 2.
- Vor dem Öffnen des Gehäuses müssen folgende Wartezeiten eingehalten werden (vgl. Tab. 1):
  (T6) 5 Min. Wartezeit
  (T1 - T5) keine Wartezeit
- Vor dem Betrieb stellen Sie sicher, daß Abdeck- Sicherheits- und Befestigungsschrauben sowie Stopfbuchsen und Kabelverschraubungen mit geeignetem Werkzeug richtig eingeschraubt und angezogen sind.
- Ebenso ist vor dem Betrieb sicherzustellen, daß der Gehäuseboden mit geeignetem Werkzeug fest eingeschraubt ist.
- Schutz und Wartung der Stopfbuchsen und Gewinde: Jedes Gewinde muss gefettet und mindestens 5 Gewindegänge (nur NPT Gewinde) eingeschraubt werden.
- Der Anschluss erfolgt entsprechend Bild 3.
- Vor dem Öffnen muß das Gerät abgeschaltet und die zusätzlichen Sicherheitsvorkehrungen getroffen werden, um ein versehentliches Einschalten zu verhindern.
- Es dürfen keine Bohrungen oder sonstige Eingriffe am explosionsgeschützten Gehäuse vorgenommen werden.
- Montagehinweise für Kabel und Kabeleinführungen sind der beiliegenden Montageanleitung für die Kabelverschraubung A2F zu entnehmen.
- Falls die Kabelverschraubung für den Durchmesser des verwendeten Kabels ungeeignet ist, ist eine andere, für den Kabeldurchmesser geeignete Kabelverschraubung zu verwenden.

Technische Daten

	mit Glühlampe	mit LED
Typ	740 210 00 740 231 00	740 210 55 740 231 55
Außengehäuse	Fld 335, Zylinder aus einer Borosilikat-Glasröhre mit Metallendstücken	
Anwendung: Für Gas (Ex-Zone 1 und 2) Für Staub (Ex-Zone 21 und 22)	 CE 0081 Ex II 2G Ex d II C T6 CE 0081 Ex II 2D Ex td A21 T=80°C	
Konformitäts-Zertifikat	L.C.I.E 97 ATEX 6012	
Schutzart	IP 66/67	
Schutzklasse	I	
Getestet gemäß	EN 60079-0 EN 60079-1 EN 60079-31	
Max. Spannung	AC 240V DC 24V	
Max. Leistung	3 x 7W	
Anschluss	Anschlussklemme, M3, ≤ 2,5mm², ≤ 0,5Nm, AWG 14 bis AWG 18.	
Temperaturbereich:	-30 ... +40°C	
Betriebstemperatur:	max. 80°C (Gehäuseoberfläche)	
Lagertemperatur	-30 ... +80°C	
Nutzungsfaktor	Einschaltdauer 100 %	
Montage:	vertikal oder horizontal	

Tab. 1

Temperaturklasse	Max. Oberflächentemperatur des Geräts °C	Zündtemperatur der explosiven Atmosphäre °C
T1	450	> 450
T2	300	> 300 ≤ 450
T3	200	> 200 ≤ 300
T4	135	> 135 ≤ 200
T5	100	> 100 ≤ 135
T6	85	> 85 ≤ 100

Glühlampen-Wechsel

Demontieren Sie das Gehäuse um einzelne Warnleuchtelemente oder defekte Glühlampen zu wechseln (Bayonett-Sockel, Bestellnummern siehe unten). Drehen Sie dazu das entsprechende Element entgegen der Pfeilmarkierung und heben Sie es ab.

Glühlampen für 740 xxx 00: BA15d, 5W, Max. Höhe 42mm	
955 840 34	12V, 400mA
955 840 35	24V, 200mA
955 840 37	115V, 40mA
955 840 38	230V, 20mA

Montage

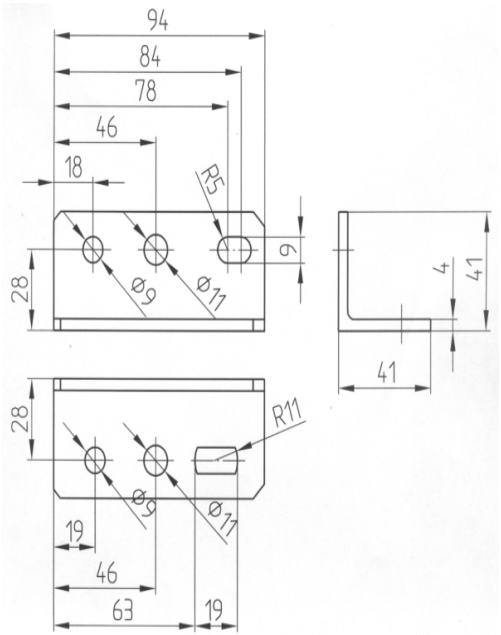


Bild 1

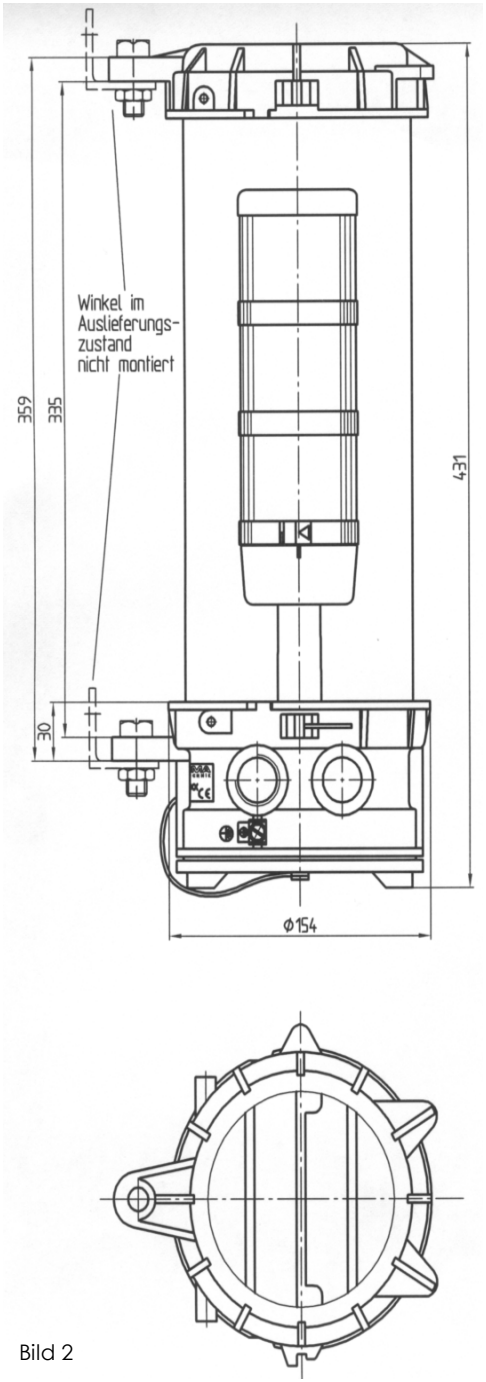


Bild 2

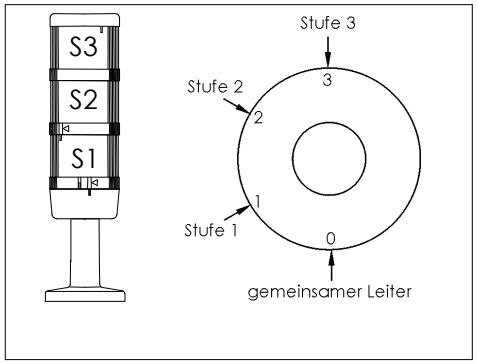


Bild 3

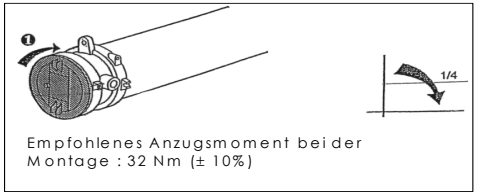
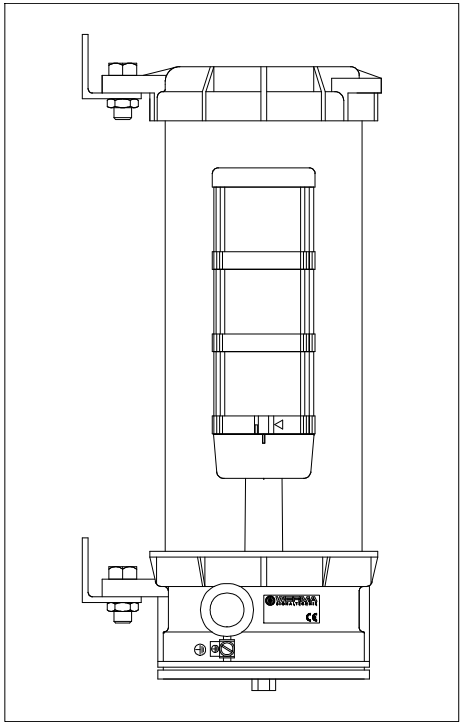


Bild 4

Technische Änderungen vorbehalten
310.740.001.0912
© D

WERMA SIGNALTECHNIK

INSTRUCTIONS FOR USE
Ex-Warning beacon tube
Type 740



310.740.001.0912eng
©D

WERMA SIGNALTECHNIK
WERMA Signaltechnik GmbH+Co. KG
D-78604 Rietheim-Weilheim
Tel.: +49 (0) 74 24 / 95 57-0
Fax: +49 (0) 74 24 / 95 57-44
www.werma.de
info@werma.de

Function

The signal tower produces visible permanent light when operated.
This device is made up of a signal tower from WERMA Signaltechnik GmbH + Co., installed in a housing Fld 335 for use in hazardous areas (flameproof enclosure). Only permanent light elements type no 840.X00.00 and LED permanent light elements type no 843.X00.55 should be used in the housing.

WARNING — Safety instructions

- In the event that the installation and warning instructions are not observed then protection against explosion is not guaranteed and the device could become a danger to the life of the operator and cause ignition in explosive atmospheres.
- Possible danger to persons or damage to production equipment resulting from failure of or fault in the signal tower, must be prevented by additional safety precautions or regular control of correct function.
- The housing should not be damaged.
- Repair and maintenance must be carried out by qualified electricians who are instructed and authorised to carry out work in explosive atmospheres.
- The installation instructions, as well as the regulations applicable to EN 60079-0, EN 60079-1 and EN 60079-31 for connecting, earthing and earth bonding should be observed. The internal earth clamp should be connected to earth, the external clamp should be used for earth bonding see figure 2.
- The following delay times before opening the housing must be kept (refer. Tab. 1):
  (T6) 5 min. waiting time
  (T1 - T5) no waiting time
- Before operation it is important to ensure that the cover, safety- and fixing screws as well as the cable gland and blind plugs are properly screwed in and tightened.
- Care and service of threads and glands: All threads have to be greased and at least 5 threads should be engaged.
- For connecting and to ensure correct fitting of armoured cable please observe figure 3.
- Before opening, the device must be disconnected and additional safety precaution measures must be taken to prevent unintentional operation.
- Before using, ensure that the base of the housing is securely fixed in place with a suitable tool. See figure 3.
- Do not drill into or interfere with the explosion-proof housing in any way.
- For information on attaching the cable please see the Instruction leaflet for Cable Gland A2F.
- If the diameter of the selected cable is not suitable for the provided cable gland another gland, which fits the cable diameter should be used.

Technical specifications

	with bulb	with LED bulb
Type	740 210 00 740 231 00	740 210 55 740 231 55
Outer housing	Fld 335, cylinder made of borosilicate glass tube closed by metal end pieces	
Applications: For gas (Ex-zone 1 and 2) For dust (Ex-zone 21 and 22)	CE 0081 Ex II 2G Ex d II C T6 CE 0081 Ex II 2D Ex td A21 T=80°C	
Certificate of conformity	L.C.I.E 97 ATEX 6012	
Protection rating	IP 66/67	
Safety class	I	
Tested according to directives	EN 60079-0 EN 60079-1 EN 60079-31	
Max. voltage	AC 240V DC 24V	
Max. power	3 times 7W	
Terminal	Pillar terminal, M3, ≤ 2.5mm² ≤ 0.5Nm, AWG 14 to AWG 18.	

Temperature range:	-30 ... +40°C
Operating temperature:	max. 80°C (housing surface)
Stocking temperature	-30 ... +80°C
Duty cycle	Operating factor 100 %
Mounting position:	Vertical or horizontal

Tab. 1

Class of temperatures	Max. surface temperature of device °C	Ignition temperatures of explosive atmospheres °C
T1	450	> 450
T2	300	> 300 ≤ 450
T3	200	> 200 ≤ 300
T4	135	> 135 ≤ 200
T5	100	> 100 ≤ 135
T6	85	> 85 ≤ 100

Change of bulbs

Dismantle signal tower to change individual signal elements or faulty bulbs (bayonet socket, order specifications see below). To effect, turn the appropriate element contrary to the engraved arrow and lift off.

Bulbs for 740 xxx 00: BA15d, 5W, height max. 42mm	
955 840 34	12V, 400mA
955 840 35	24V, 200mA
955 840 37	115V, 40mA
955 840 38	230V, 20mA

Mounting

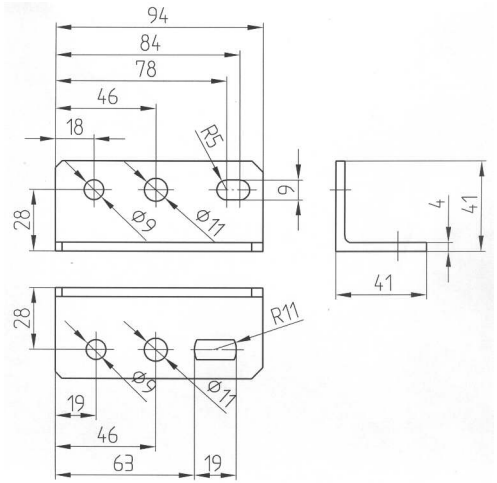


Fig. 1

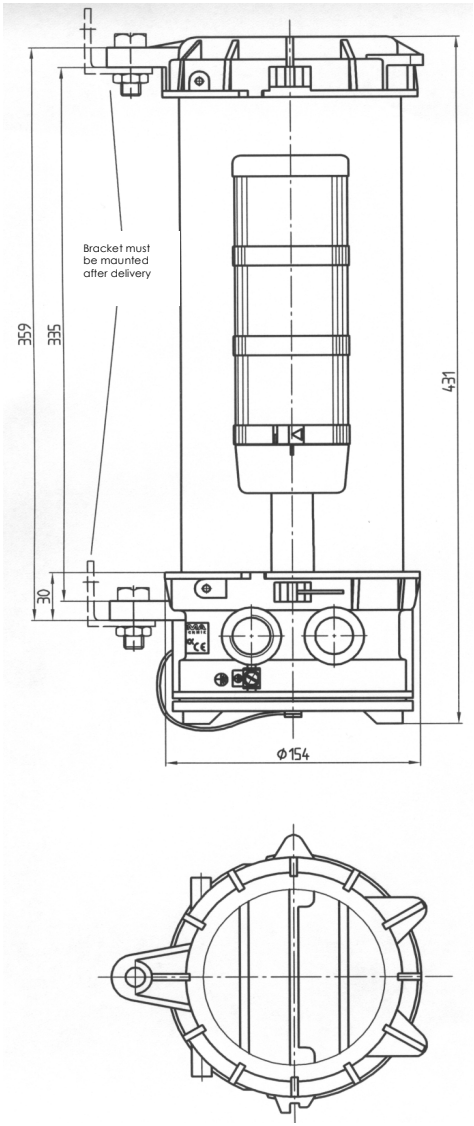


Fig. 2

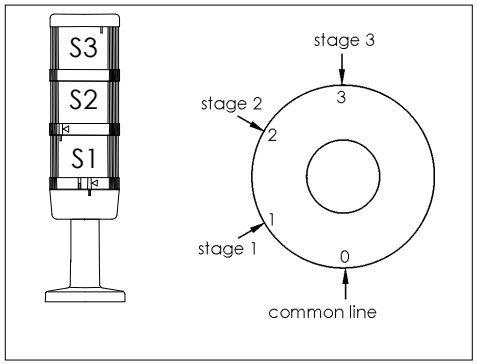


Fig. 3

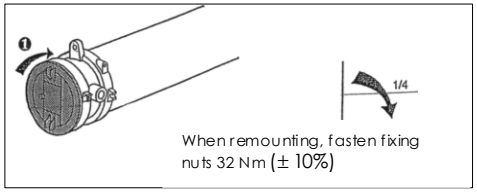


Fig. 4

Subject to technical modifications
310.740.001.0912eng
©D

WERMA SIGNALTECHNIK

TECHNICAL DATA

CABLE GLAND TYPE : A2F
INGRESS PROTECTION : IP66, NEMA 4X
PROCESS CONTROL SYSTEM : BS EN ISO 9001

HAZARDOUS AREA CLASSIFICATION

ATEX CERTIFICATION No : SIRA06ATEX1097X, SIRA07ATEX4326X
ATEX CERTIFICATION CODE : Ex II 2/3 GD Ex d IIC, Ex e II, Ex nR II, Ex tD A21 IP66 - Equipment Zone 1, 2, 21 & 22, Gas Groups IIA, IIB & IIC
IEC Ex CERTIFICATION No : IEC Ex SIR.06.0039X
IEC Ex CERTIFICATION CODE : Ex d IIC / Ex e II / Ex nR II, Ex tD A21 IP66
CSA CERTIFICATION No : 1211841
CSA CERTIFICATION CODE : Ex d IIC & Ex e II, CSA Enclosure Type 4X

INSTALLATION INSTRUCTIONS

Installation should only be performed by a competent person using the correct tools. Read all instructions before beginning installation.

SPECIAL CONDITIONS FOR SAFE USE

- The A2F shall only be used where the temperature, at the point of entry, is between -60°C and +130°C.
- The entry component threads may need additional sealing to maintain the ingress protection rating as applicable to the associated equipment to which it will be attached.

ACCESSORIES

The following accessories are available from CMP Products, as optional extras, to assist with fixing, sealing and earthing :-
Locknut | Earth Tag | Serrated Washer | Entry Thread (I.P.) Sealing Washer | Shroud*

Cable Gland Size	Entry Threads			Min Thread Length	Diameter of Cable		Across Flats	Across Corners	Nominal Protrusion Length	Ordering Reference (Brass Metric)	PVC Shroud Ref*	Cable Gland Weight (Kgs)
	Standard		Option									
	Metric	NPT	NPT		Min	Max	Max	Max				
16	M16	1/2"	3/4"	15.0	3.2	8.1	22.0	23.8	18.0	16A2F1RA	PVC02	0.051
20S/16	M20	1/2"	3/4"	15.0	3.2	8.7	24.0	25.9	21.0	20S16A2F1RA	PVC04	0.054
20S	M20	1/2"	3/4"	15.0	6.1	11.7	24.0	25.9	21.0	20SA2F1RA	PVC04	0.054
20	M20	1/2"	3/4"	15.0	6.5	14.0	27.0	29.2	24.0	20A2F1RA	PVC05	0.059
25	M25	3/4"	1"	15.0	11.1	20.0	36.0	38.9	26.0	25A2F1RA	PVC09	0.112
32	M32	1"	1-1/4"	15.0	17.0	26.3	41.0	44.3	27.0	32A2F1RA	PVC10	0.128
40	M40	1-1/4"	1-1/2"	15.0	23.5	32.2	50.0	54.0	28.0	40A2F1RA	PVC13	0.168
50S	M50	1-1/2"	2"	15.0	31.0	38.2	55.0	59.4	29.0	50SA2F1RA	PVC14	0.224
50	M50	2"	2-1/2"	15.0	35.6	44.1	60.0	64.8	30.0	50A2F1RA	PVC17	0.231
63S	M63	2"	2-1/2"	15.0	41.5	50.0	70.0	75.6	30.0	63SA2F1RA	PVC20	0.360
63	M63	2-1/2"	3"	15.0	47.2	56.0	75.0	81.0	30.0	63A2F1RA	PVC22	0.344
75S	M75	2-1/2"	3"	15.0	54.0	62.0	79.0	85.3	32.0	75SA2F1RA	PVC24	0.466
75	M75	3"	3-1/2"	15.0	61.1	68.0	84.0	90.7	32.0	75A2F1RA	PVC26	0.395
90	M90	3"	3-1/2"	15.0	61.6	80.0	108.0	116.6	44.0	90A2F1RA	PVC31	1.346
100	M100	4"	-	15.0	76.0	91.0	122.0	131.8	48.0	100A2F1RA	150/50HST	1.575
115	M115	-	-	15.0	86.0	98.0	138.0	149.0	55.0	115A2F1RA	180/60HST	2.322
130	M130	-	-	15.0	97.0	115.0	154.0	166.3	62.0	130A2F1RA	180/60HST	3.400

All dimensions in millimeters

NOTE: *CMP SOLO LSF Halogen Free Shrouds also available on request.

Cable Gland Selection Table

I, the undersigned, hereby declare that the equipment referred to herein conforms to 94/9/EC directive.

G. I. Mood

Dr Geof Mood - Technical Director - (Authorised Person)

Registered Office: Glasshouse Street • St. Peters • Newcastle upon Tyne • NE6 1BS
Tel: +44 191 265 7411 • Fax: +44 191 265 0581
E-Mail: cmp@cmp-products.co.uk • Web: www.cmp-products.com
Company Number:

CE 0518

Notified Body: Sira Certification Service, Rake Lane, Chester CH4 9JN, England.

CMP PRODUCTS

ASSEMBLY FITTING INSTRUCTIONS FOR INSTALLATION FOR A2F CABLE GLAND

CABLE GLAND FOR USE WITH UNARMOURED AND BRAID ARMOURED CABLES

INCORPORATING EC DECLARATION OF CONFORMITY TO DIRECTIVE 94/9/EC

CABLE GLAND TYPE A2F



CMP PRODUCTS

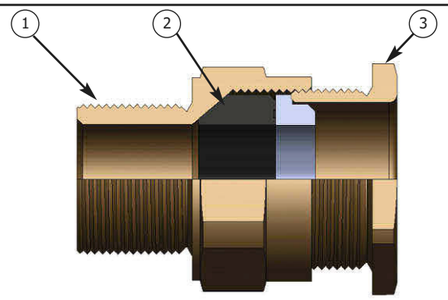
Logo's shown for illustration purposes only. Please check certification for details

CMP Document No. FI413 Issue 1 10/10

INSTALLATION INSTRUCTIONS FOR CMP GLAND TYPE A2F

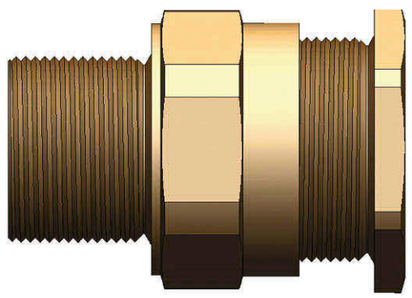
CABLE GLAND COMPONENTS

1. Entry Item
2. Seal
3. Seal Nut

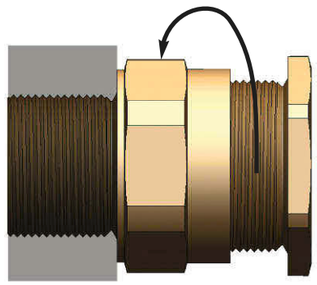


PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

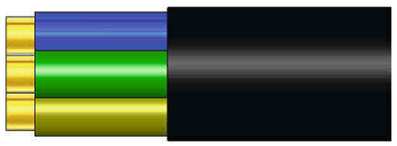
1. It is not necessary to dismantle the gland any further than illustrated below.



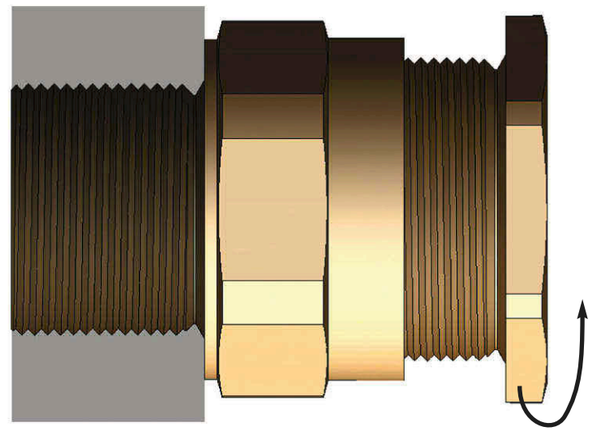
2. Fit the gland into the equipment and fully tighten the entry item (1).



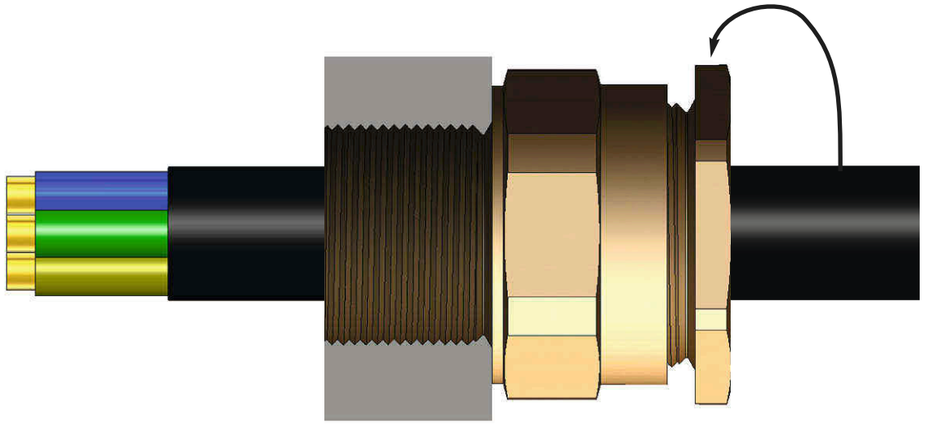
3. Determine the conductor length required to suit the installation and prepare the cable accordingly, removing part of the outer sheath where required to reveal the insulated conductors.



4. Slacken the seal nut (3) to relax the seal (2).



5. Pass the cable through the gland to the desired position, then tighten the seal nut by hand until resistance is felt (when the seal contacts the cable). Tighten with a spanner one further turn.



CMP PRODUCTS
GLASSHOUSE STREET, ST. PETERS,
NEWCASTLE UPON TYNE, NE6 1BS.
ENGLAND
TELEPHONE : +44 (191) 265 7411
FACSIMILE : +44 (191) 265 0581

EC DECLARATION OF CONFORMITY

CMP Products declares that the range of products listed below complies with the requirements of the Low Voltage Directive 73/23/EEC and, where applicable, the ATEX Directive 94/9/EC. Products for hazardous areas have been type approved by SIRA Certification Services. Attention is drawn to special conditions of use for each product. This information is available in the installation leaflets and at www.CMP-Products.com

Industrial Products

Cable Glands	Standards to which Conformity is Declared
Type A2, BW, BWL, C*, CXT, SS2KGP, A2RC, E** and derivatives including ZEN insulated glands.	BS 6121:Part 1: 1989 (Mechanical Cable Glands), EN50262 (Metric Cable Glands, not BW or BWL glands)

Adaptors, reducers, unions, etc.	Standards to which Conformity is Declared
Type 737, 747, 757, 767, 777, 780, 781, 787, 797	BS 6121: Part 1: 1989, EN50262:1999

Cable cleats	Standards to which Conformity is Declared
Type Unicleat, Uniclamp	BS EN 50368:2003

Hazardous Area Products

Cable Glands for Hazardous Areas	Standards to which Conformity is Declared
C** Certificate number SIRA 06ATEX1097X & SIRA 07ATEX4326X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004 ,EN 61241-1:2004 BS 6121 (Mechanical Cable Glands), EN50262 (Metric Cable Glands)
A2E, A2F, A2FRC, A2F-FC, SS2K, E**, PX** Certificate number SIRA 06ATEX1097X & SIRA 07ATEX4326X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Mechanical Cable Glands), EN50262 (Metric Cable Glands)
T3CDS, T3CDS/PB Certificate number SIRA 06ATEX1283X & SIRA 07ATEX4328X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Mechanical Cable Glands), EN50262 (Metric Cable Glands)
TMC and TMCX Certificate number SIRA 07ATEX1122X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Mechanical Cable Glands), EN50262 (Metric Cable Glands)
TC- Certificate SIRA 09ATEX1092X TMC2 - Certificate SIRA 09ATEX1164X TMC2X - Certificate SIRA 09ATEX1165X	EN 60079-0:2006, EN 60079-1:2007 (not TMC2) EN 60079-7:2007, EN 61241-0:2006, EN 61241-1:2004 BS 6121 (Mechanical Cable Glands), EN50262 (Metric Cable Glands)

Cable Glands, blanking and adaptor flanges for use in Group I Hazardous Areas	Standards to which Conformity is Declared
A2F, E**, SS2K, PX**, T3CDS, E1FW/MF, E1FX/MF Certificate number SIRA 06ATEX1097X MA/FT Flange adaptor Cert No. SIRA 09ATEX1034U MA/B Blanking flange Cert No. SIRA 09ATEX1035U	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Mechanical Cable Glands), EN50262 (Metric Cable Glands) EN 60079-0:2006, EN 60079-1:2007

Adaptors, reducers, unions, stopping plugs and breather / drain plugs	Standards to which Conformity is Declared
Type 737, 747, 757, 767, 797, MA/TF Certificate number SIRA 02ATEX1003X	EN 60079-0:2006, EN 60079-1:2007, EN 60079-7:2007, EN50281-1-1:1998
Type 737, 747, 757, 767, 780, 781, 787, 797 Certificate number SIRA 01ATEX1284U	

Notified Body Name & Address :
SIRA Certification Service
Rake Lane,
Eccleston
Chester
CH4 9JN,United Kingdom
Notified body number 0518

G. I. Mood
Dr. G. I. Mood
Authorised Person
Document Reference : DC07001 Iss 17
17/03/2010

ISO 9001 BUREAU VERITAS Certification — UKAS

SUPPLIERS OF QUALITY ELECTRICAL PRODUCTS TO INDUSTRY
COMPREHENSIVE CERTIFICATION INCLUDING ATEX/CENELEC
QUALITY SYSTEM THIRD PARTY ACCREDITED TO ISO 9001:2000

INVESTOR IN PEOPLE

CMP PRODUCTS
GLASSHOUSE STREET, ST. PETERS,
NEWCASTLE UPON TYNE, NE6 1BS.
ANGLETERRE
TELEPHONE : +44 (191) 265 7411
FACSIMILE : +44 (191) 265 0581

DÉCLARATION DE CONFORMITÉ CE

CMP Products déclare que la gamme de produits suivante est conforme aux exigences des directives basse tension 73/23/EEC et, si c'est approprié, ATEX 94/9/CE. Produits de protection zones dangereuses ont été homologuées par les services de certification SIRA. Nous attirons votre attention sur les conditions d'utilisation de chaque produit. Toute l'information est mise à votre disposition dans les guides d'installations et sur www.cmp-products.com

Produits industriels

Presse-étoupes	Normes de déclaration de conformité
Type A2, BW, BWL, C*, CXT, SS2KGP, A2RC, E** et les dérivées inclut ZEN isolé Presse-étoupes.	BS 6121 : Part 1 :1989 (Presse-étoupes mécaniques), EN50262 (Presse-étoupes métriques, pas BW ou BWL presse-étoupes)

Adaptateurs, réducteurs, raccords, etc	Normes de déclaration de conformité
Type 737, 747, 757, 767, 777, 780, 781, 787, 797	BS 6121: Part 1: 1989, EN50262:1999

Fixations de câble'	Normes de déclaration de conformité
Type Unicleat, Uniclamp	BS EN 50368:2003

Produits pour les atmosphères explosives

Presse-étoupes pour zones dangereuses	Normes de déclaration de conformité
C** Certificat SIRA 06ATEX1097X & SIRA 07ATEX4326X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004 ,EN 61241-1:2004 BS 6121 (Presse-étoupes mécaniques), EN50262 (Presse-étoupes métriques)
A2E, A2F, A2FRC, A2F-FC, SS2K, E**, PX** Certificat SIRA 06ATEX1097X & SIRA 07ATEX4326X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Presse-étoupes mécaniques), EN50262 (Presse-étoupes métriques)
T3CDS, T3CDS/PB Certificat SIRA 06ATEX1283X & SIRA 07ATEX4328X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Presse-étoupes mécaniques), EN50262 (Presse-étoupes métriques)
TMC & TMCX Certificat SIRA 07ATEX1122X	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Presse-étoupes mécaniques), EN50262 (Presse-étoupes métriques)
TC - Certificat SIRA 09ATEX1092X TMC2 - Certificat SIRA 09ATEX1164X TMC2X - Certificat SIRA 09ATEX1165X	EN 60079-0:2006, EN 60079-1:2007 (pas TMC2), EN 60079-7:2007, EN 61241-0:2006, EN 61241-1:2004 BS 6121 (Presse-étoupes mécaniques), EN50262 (Presse-étoupes métriques)

Presse-étoupes, brides polyvalentes et de blocage pour utilisation en zones dangereuses de groupe I	Normes de déclaration de conformité
A2F, E**, SS2K, PX**, T3CDS, E1FW/F, E1FT/F, Certificat SIRA06 ATEX1097X MA/FT – Certificat SIRA 09ATEX1034U MA/B MA/B – Certificat SIRA 09ATEX1035U	EN 60079-0:2006, EN 60079-1:2004, EN 60079-7:2007, EN 61241-0:2004, EN 61241-1:2004, EN 60079-15:2005, BS 6121 (Presse-étoupes mécaniques), EN50262 (Presse-étoupes métriques) EN 60079-0:2006, EN 60079-1:2007

Adaptateurs, réducteurs, raccords, bouchons d'arrêt et évents/bouchons de purge	Normes de déclaration de conformité
Type 737, 747, 757, 767, 797, MA/TF Certificat SIRA 02ATEX1003X	EN 60079-0:2006, EN 60079-1:2007, EN 60079-7:2007, EN50281-1-1:1998
Type 737, 747, 757, 767, 780, 781, 787, 797 Certificat SIRA 01ATEX1284U	

Nom et adresse de l'organisme notifié:
SIRA Certification Service
Rake Lane,
Eccleston
Chester
CH4 9JN,United Kingdom
Royaume-Uni
N° de l'organisme notifié: 0518

G. I. Mood
Dr. G. I. Mood
Personne habilitée
Référence du document: DC07001 FR Iss 17
17/03/2010

ISO 9001 BUREAU VERITAS Certification — UKAS

SUPPLIERS OF QUALITY ELECTRICAL PRODUCTS TO INDUSTRY
COMPREHENSIVE CERTIFICATION INCLUDING ATEX/CENELEC
QUALITY SYSTEM THIRD PARTY ACCREDITED TO ISO 9001:2000

INVESTOR IN PEOPLE