Date Printed:

SCAN FOR INSTALLATION VIDEOS

TECHNICAL DATA

CABLE GLAND TYPE : PXSS2K/M, PXSS2K/MF
INGRESS PROTECTION : IP66, IP67, IP68, Type 4X; Oil Resistant II
PROCESS CONTROL SYSTEM : BS EN ISO 9001
: ISO/IEC 80079-34:2011

EXPLOSIVE ATMOSPHERES CLASSIFICATION

GLAND
ATEX CERTIFICATION No : SIRA13ATEX1072X
ATEX CERTIFICATION CODE : Ex IM2 Ex d I Mb, Ex e I Mb
IECEx CERTIFICATION No : IECEx SIR.13.0027X
IECEx CERTIFICATION CODE : Ex d I Mb / Ex e I Mb
MA/FT
ATEX CERTIFICATION No : SIRA 09ATEX1034U
ATEX CERTIFICATION CODE : Ex IM2 Ex d I Mb
IECEx CERTIFICATION No : IECEx SIR.09.0024U
IECEx CERTIFICATION CODE : Ex d I, Ex e I

INSTALLATION INSTRUCTIONS

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

SPECIAL CONDITIONS FOR SAFE USE

None.

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	Minimum Thread Length	Entry Thread	Maximum Diameter Over Conductors	Maximum Number Of Cores	Cable Bedding Diameter	Overall Cable Diameter		Across Flats	Across Corners	Protrusion Length	Combined Ordering Reference (*Brass Metric)			Shroud	Cable Gland Weight (Kgs)
			Diameter	Cores	Max	Min	Max	Max	Max		Size	Type	Ordering Suffix		
20S	15.0	M20	12.6	11	11.7	6.1	11.7	30.0	33.0	53.1	20S	PXSS2K	1RA/M	PVC06	0.200
20	15.0	M20	12.6	11	12.9	6.5	14.0	30.0	33.0	54.2	20	PXSS2K	1RA/M	PVC06	0.200
25	15.0	M25	17.5	21	17.9	11.1	20.0	36.0	39.6	60.0	25	PXSS2K	1RA/M	PVC09	0.330
32	15.0	M32	23.6	38	23.9	17.0	26.3	41.0	45.1	61.1	32	PXSS2K	1RA/M	PVC10	0.590
40	15.0	M40	30.0	59	30.3	22.0	32.1	50.0	55.0	62.4	40	PXSS2K	1RA/M	PVC13	0.560
50S	15.0	M50	36.6	89	36.9	29.5	38.2	55.0	60.5	65.2	50S	PXSS2K	1RA/M	PVC15	0.660
50	15.0	M50	41.0	89	41.3	35.6	44.0	60.0	66.0	67.6	50	PXSS2K	1RA/M	PVC18	0.730
63S	15.0	M63	47.9	115	48.4	40.1	49.9	70.0	77.0	71.1	63S	PXSS2K	1RA/M	PVC21	1.070
63	15.0	M63	53.7	115	54.0	47.2	55.9	75.0	82.5	70.4	63	PXSS2K	1RA/M	PVC23	1.060
75S	15.0	M75	59.8	140	60.2	52.8	61.9	80.0	88.0	75.3	75S	PXSS2K	1RA/M	PVC25	1.300
75	15.0	M75	64.3	140	64.2	59.1	67.9	85.0	93.5	74.9	75	PXSS2K	1RA/M	PVC27	1.300

**For material options add the following suffix to the Ordering Reference; Brass (no suffix required); Nickel Plated Brass '5'; 316 Grade Stainless Steel '4'; Copper Free Aluminium '1'*

Examples: 32PXSS2KM1RA = Brass, 50SPXSS2KM1RA5 = Nickel Plated Brass, 25PXSS2KM1RA4 = Stainless Steel

Dimensions are displayed in millimetres unless otherwise stated

CMP Products Ltd. on its sole responsibility declares that the equipment referred to herein conforms to the requirements of the ATEX Directive 2014/34/EU and the following standards: -

EN60079-0:2012, EN60079-1:2007, EN60079-7:2007, EN60079-15:2010, EN60079-31:2009, BS6121:1989, EN62444:2013, EN61241-0:2004, EN61241-1:2004.

David Willcock – Certification Engineer (Authorised Person)
CMP Products Limited, Cramlington, NE23 1WH, UK
24th June 2015

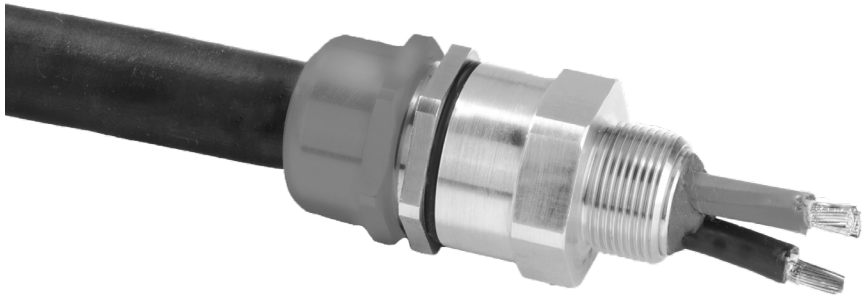
CE 0518
Notified Body: Sira Certification S

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPE PXSS2K/M & PXSS2K/MF

FOR TERMINATION OF UNARMOURED, BRAIDED CABLES AND EXTRA HARD CORD USEAGE CABLES FOR USE IN GROUP I HAZARDOUS LOCATIONS.

INCORPORATING EU DECLARATION OF CONFORMITY TO DIRECTIVE [2014/34/EU]

CABLE GLAND TYPES PXSS2K/M & PXSS2K/MF



CMP

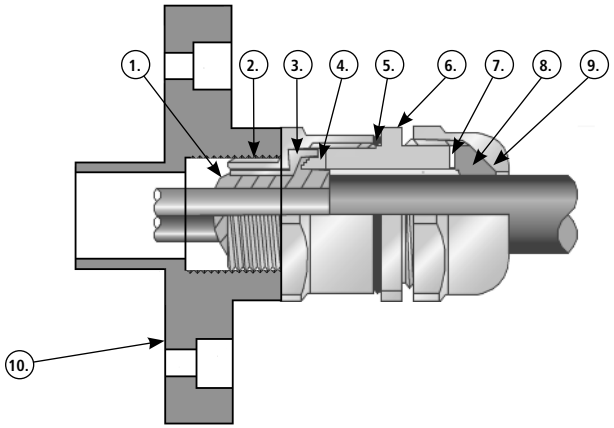
Logo's shown for illustration purposes only. Please check certification for details

CMP Document No. FI451 Issue 7 CSA Issue 6, IEC Issue 5, UL Issue 5

INSTALLATION INSTRUCTIONS FOR CMP CABLE GLAND TYPES PXSS2K

CABLE GLAND COMPONENTS - It is not necessary to dismantled the cable gland any further than illustrated below

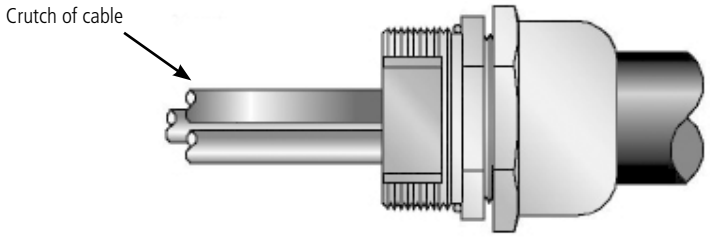
1. Compound
2. Entry Component "A"
3. Compound Tube
4. Spacer
5. "O" Ring
6. Main Item
7. Skid Washer
8. Outer Seal
9. Outer Seal Nut
10. MA/FT



PLEASE READ ALL INSTRUCTIONS CAREFULLY BEFORE BEGINNING THE INSTALLATION

1. Separate the gland components by removing the main item (6) and outer seal nut assembly (7, 8, 9). Slacken the outer seal nut slightly to relax the seal and pass the main item/outer seal nut assembly over the cable, nut end first.

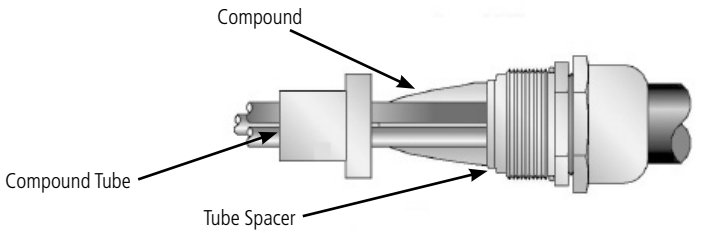
2. Strip the cable sheath by a length to suit the equipment. Position the end of the sheath in line with the main item (6) as shown below and tighten the outer seal nut enough to hold the cable in position.



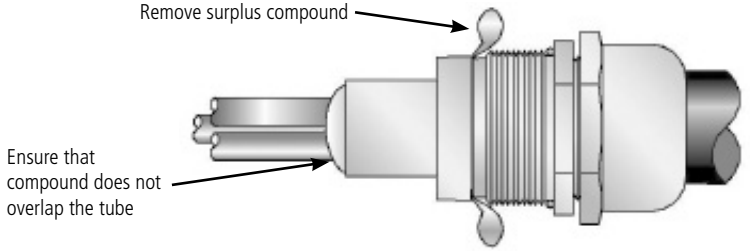
3. Remove any bedding or fillers from around the cable cores. If the cable cores have screens, these should be unravelled and then twisted together to form a single core. Wearing the protective gloves supplied, mix all of the two-part expoxy compound until it is pliable and an even colour is achieved. (Minimum mixing temperature 10°C / 50°F)

4. Fit the tube spacer (4). Seperate the cable cores and apply the compound to the crutch of the cable for a distance of about 6mm and pack into place. If a drain wire is present then it should be sleeved using some heat shrink tubing which is pushed into the compound before shrinking with the application of some heat. If screens have been twisted together at stage 3, then they should be treated like a drain wire.

5. Bring the cores together again and pack more compound around them to a length and diameter sufficient to fill the compound tube, ending in a taper.



6. Pass the compound tube (3) over the conductors until the stepped end is fully located with the tube spacer (5). Pack more compound into place until the compound tube is fully filled.



7. Slightly slacken the outer seal nut. Re-install the cable assembly into the entry item making sure the compound is not disturbed and fully tighten the main item (6) onto the entry item (2). Tighten the outer seal nut (9) until it comes to an effective stop.
This will occur when :-

A) The outer seal nut (9) has clearly engaged the cable and cannot be further tightened without the use of excessive force by the installer.
B) The outer seal nut (9) is metal to metal with the main item (6).

The compound must be left undisturbed until it has cured. (At least 24 hours)